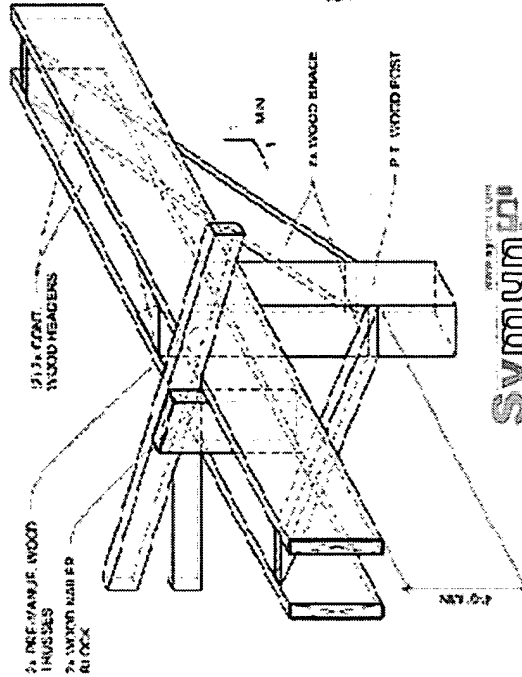


FIG. 1

- Post Framed Kit
- Shud Framed Kit
- Estimate History
- Set Up
- Reporting
- Tech Support
- System Dictionary
- Operation Manual
- About
- Exit

Construction MaestroTM

version 2.0



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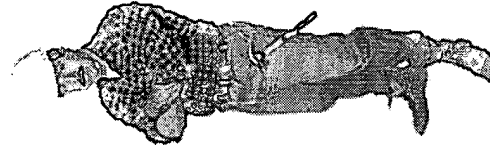


FIG. 2

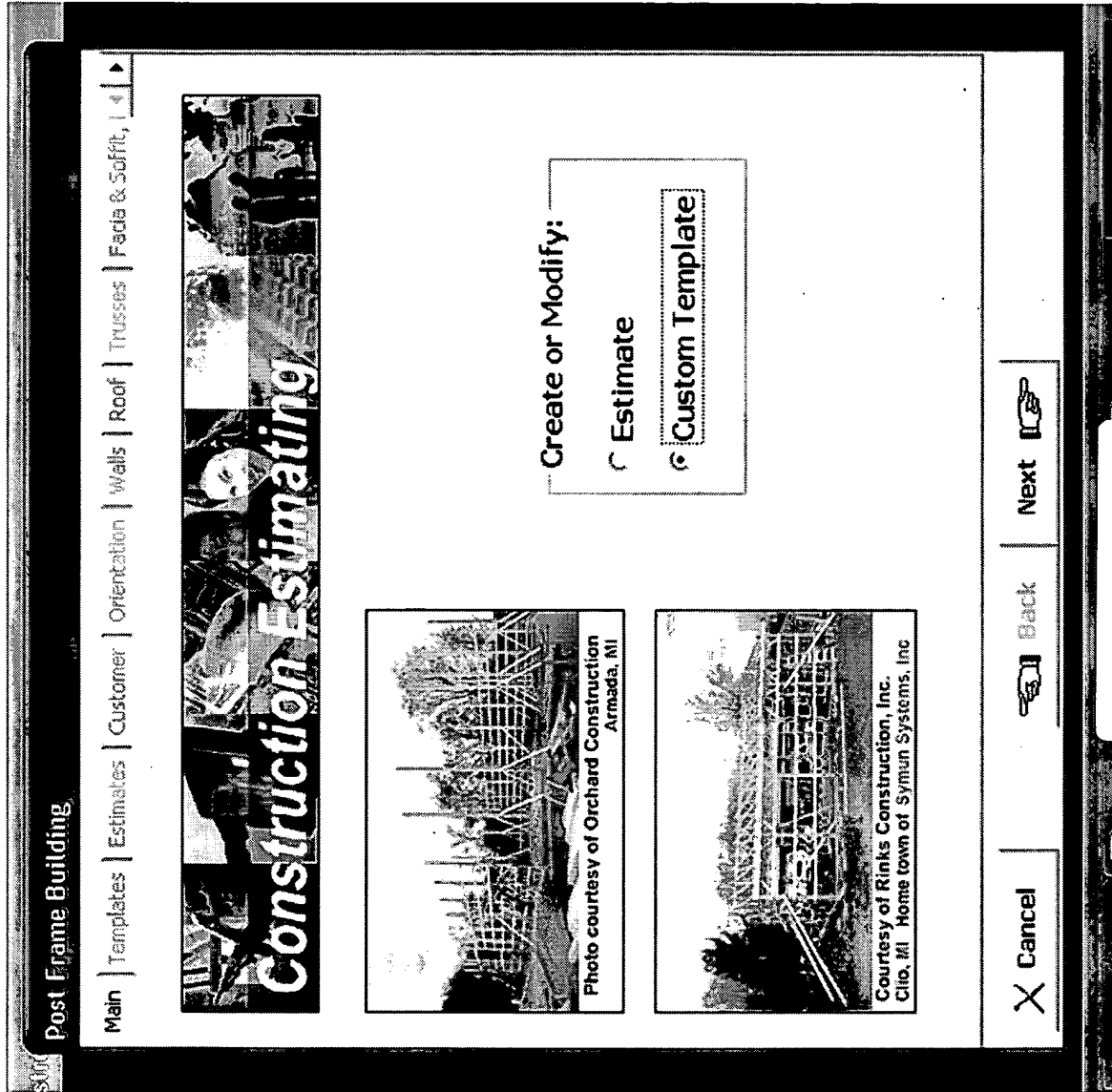


FIG. 3

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Fada & Soffit, I

Available Templates

Template Name

Company Name

[NEW]

4 x 6 posts, Steel wall, w/ shingles, 1 Ft O H On Eave & Gable, 2X10 Carriers

New

Delete

Search Criteria

Field

Search Text

Template Name

Update Type

☒ Create A New Estimate From This Template
 ☐ Update Template

X Cancel

Back

Next

FIG. 4

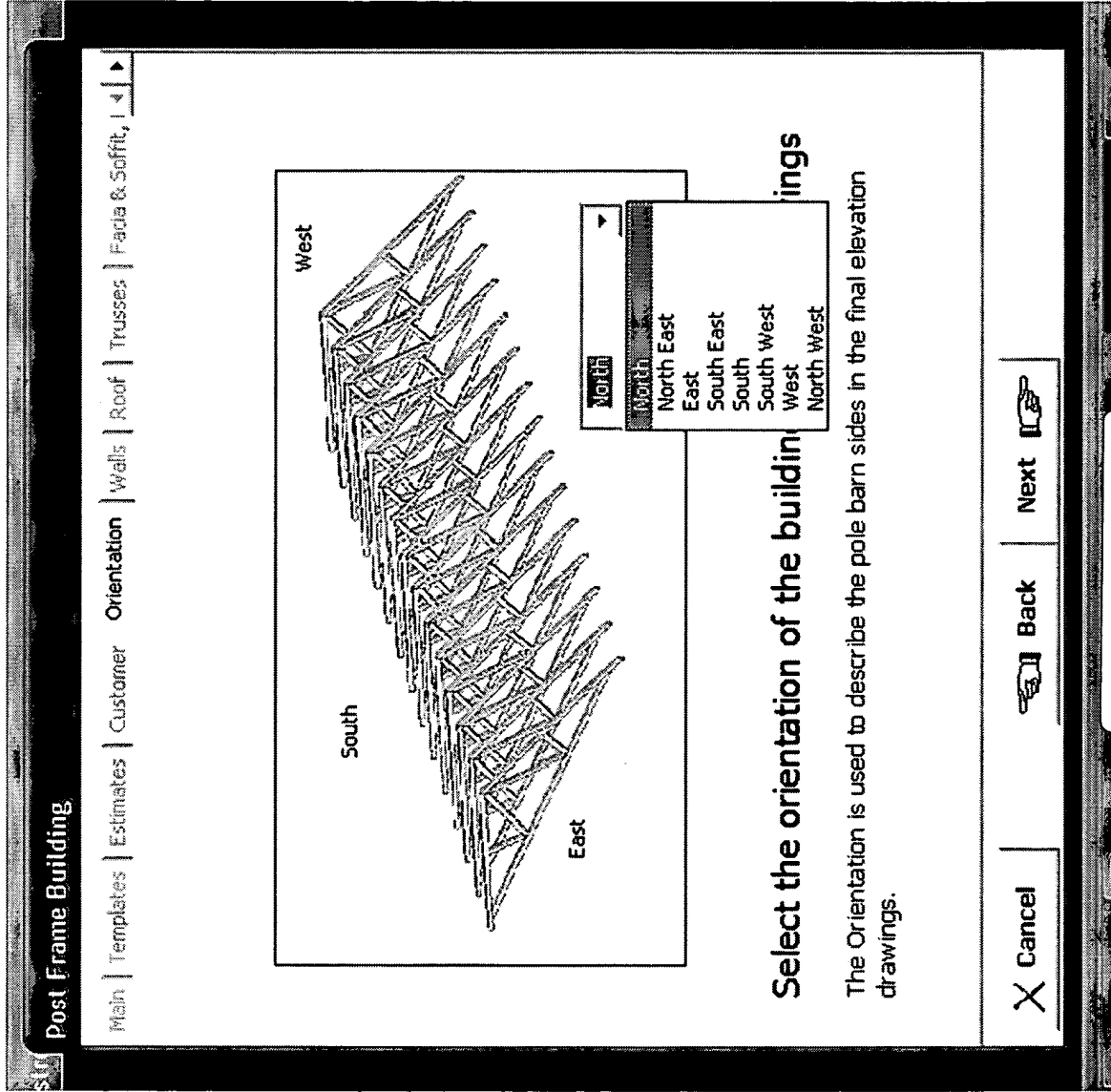


FIG. 5

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Fade & Soffit, I

Dimensions

Building Height

10

Ft

0

0

In

Building Width

24

Ft

24

Ft

Building Length

Foundation

☒

Pier Footing

☐

Spread Footing

8 X 12 X 42

Poles

Species

Treated Southern Yellow Pine

Size

4 x 6

Update

Skirt Board

Species

Treated Southern Yellow Pine

Size

2 x 12

Rows

1

Update

Wall Girts

Species

Spf #2 Standard & Better

Size

2 x 4

Spacing

24

In

Update

Truss Carrier

Species

Size

Exterior

Spf #2 Standard &

2 x 10

Interior

Spf #2 Standard &

2 x 10

Update

Wall Material Layers

1

Steel Siding

Update

Cancel

Back

Next

FIG. 6

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Fasia & Soffit, | < | > |

Dimensions

Building Height
10 Ft 0 0 In

Building Width
24

Wall Girts

Species Spf #2 Standard & Better

Size 2 x 4 Spacing 24 In

Foundation

☒ Pier Footing ☐ Spread

Poles

Species T

Size 4

Skirt Board

Species Treated Southern Yellow Pine

Size 2 x 12 Rows 1

Pier Footings

Concrete Measurements

Choose Concrete

[NONE] Bag Red-Mix Concrete 80 Lbs.

Cookie 12 In Diam. X 5 In Thk. @ 5000 psi

Size x 10 x 10

Cancel Next

Update

Back Next

FIG. 7

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Fasia & Soffit, I | >

Dimensions

Building Height
10 Ft 0 In

Building Width
24

Wall Girts

Species Spf #2 Standard & Better

Size 2 x 4 Spacing 24 In

Foundation

☒ Pier Footing ☐ Spread

Poles

Species T 4

Size

Skirt Board

Species Treated Southern Yellow Pine

Size 2 x 12 Rows 1

Concrete Measurements

Enter measurements:

Thickness of concrete footing desired 8 in.

Diameter of hole being bored 12 in.

Depth of the hole from the top of the finish grade to the bottom of the hole being bored 42 in.

Size x 10 x 10

Cancel **Update**

Cancel **Back** **Next**

FIG. 8

str Post Frame Bldg

Main | Template | & Soffit, | >

24 In

Size
2 x 10
2 x 10

1

Pole Selection

Intermediate Poles | Corner Poles | Advanced |

Species
Treated Southern Yellow Pine

Size
4 x 6

☐ Include Overhead Plug Poles

Gable Pole Spacing
10 Ft
☒ Extend Gable Poles To Roof Pitch

Eave Pole Spacing
8 Ft

Pole Orientation
Side Facing Wall
3.5

wall girt
post

Cancel Update

Dimension
Building Height
10
Building Width
24

Foundation
☒ Pier Footing
☐ Spread Footing

Poles
Species
Size
4

Skirt Board
Species
Size
2

Cancel

FIG. 9

Post Frame Bldg

Orientation

Primary

Secondary

Dimension

Building Height

10

Building Width

24

Foundation

☒ Pier Footing
 ☐ Spread Footing

Poles

Species

Treated Southern Yellow Pine

Size

4 x 6

Skirt Board

Species

Treated Southern Yellow Pine

Size

2 x 10

Intermediate Poles

Corner Poles

Advanced

Species

Treated Southern Yellow Pine

Size

4 x 6

Pole Orientation

Side Facing Wall

3.5

Diagram

Cancel

Update

FIG. 10

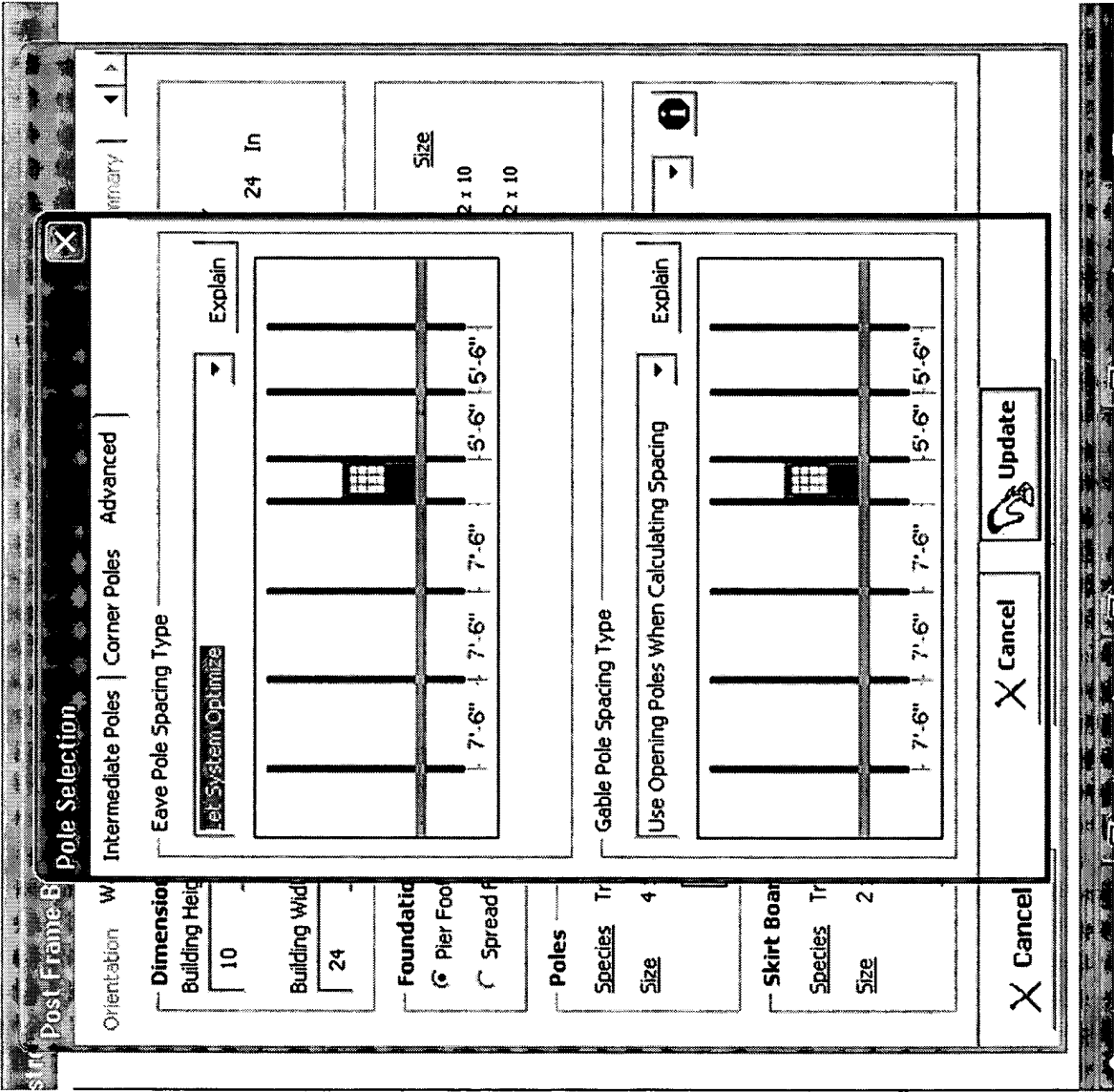


FIG. 11

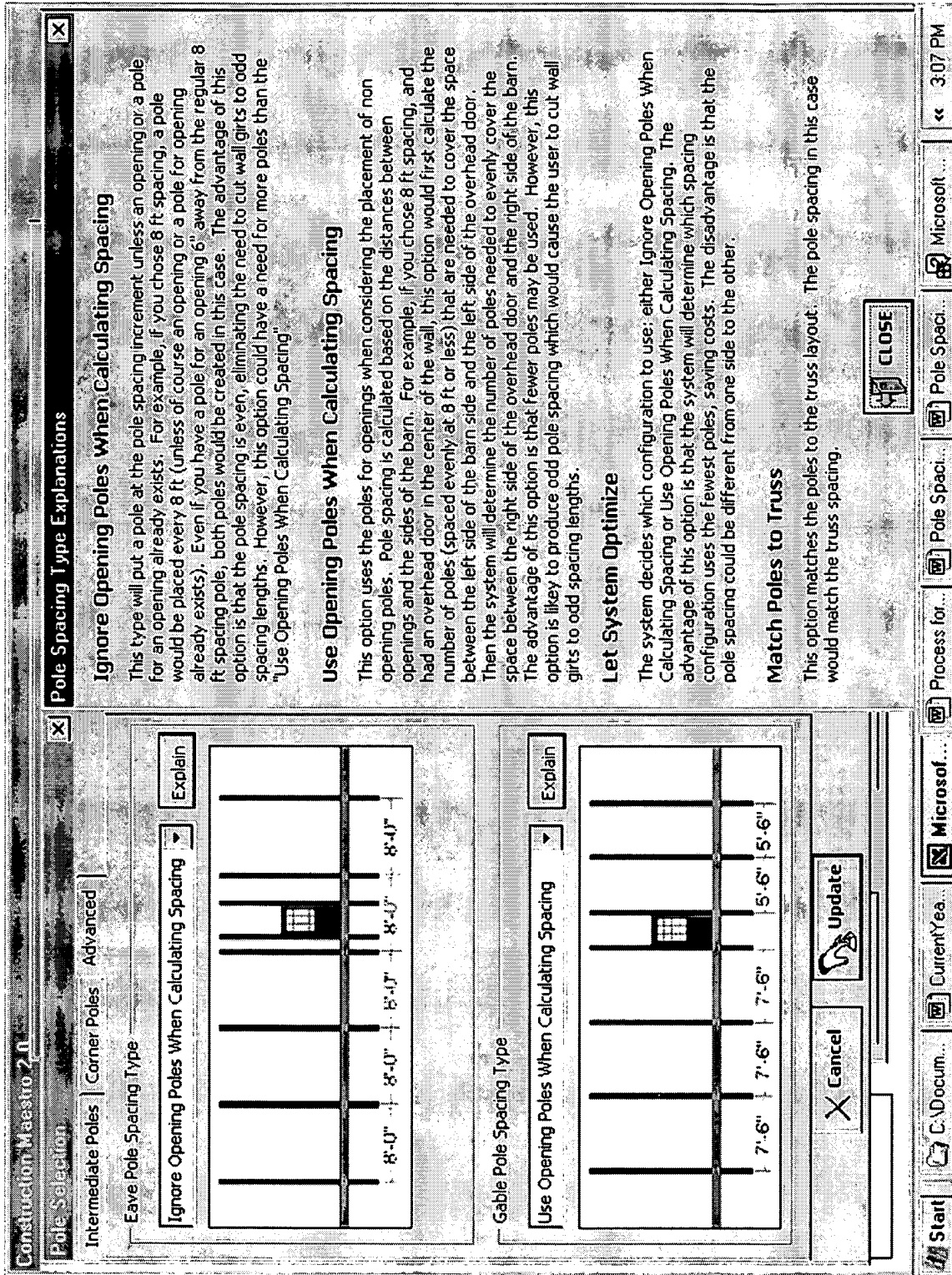


FIG. 12

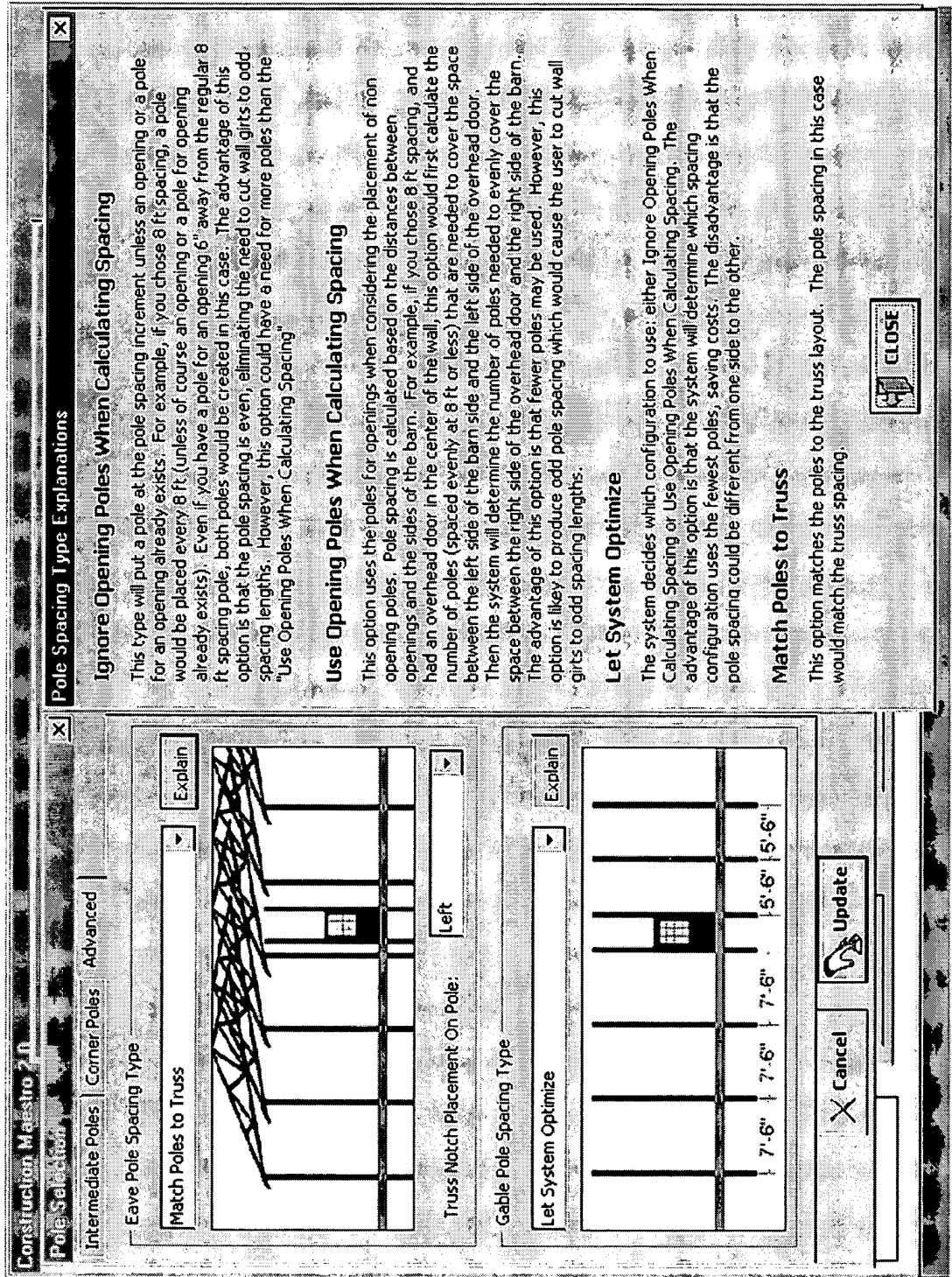


FIG. 13

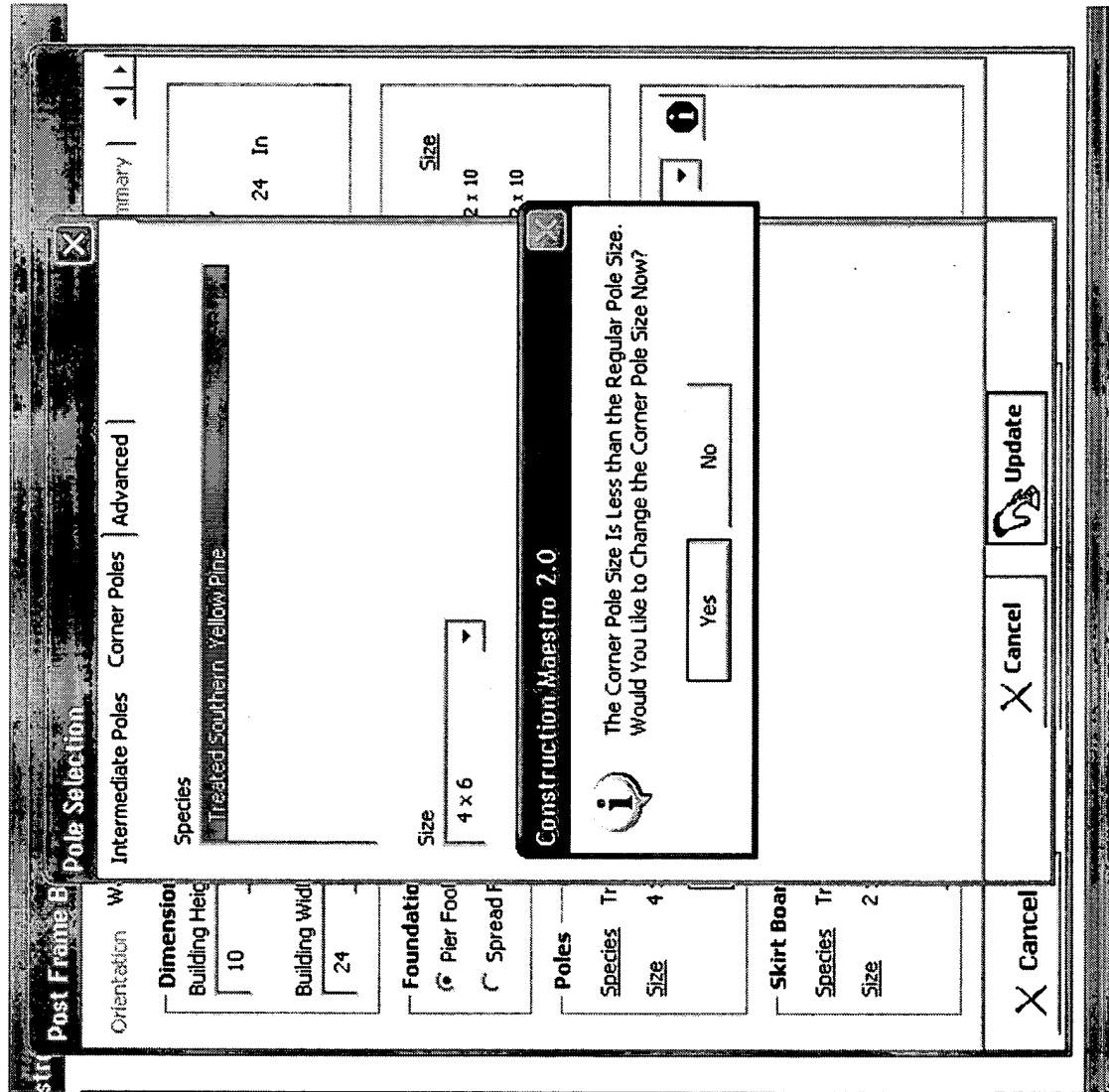


FIG. 14

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Facia & Soffit, I

Dimensions

Building Height

10

Ft

0

0

In

Building Width

24

In

Foundation

Pier Footing

Spread Footing

Poles

Species

Treated

Size

4 x 6

Skirt Board

Species

Treated Southern Yellow Pine

Size

2 x 12

Rows

1

Wall Girts

Species

Spf #2 Standard & Better

Size

2 x 4

Spacing

24

In

Size

2 x 10

2 x 10

Size

2 x 10

Skirt Board Selection

Species/Category

Treated Southern Yellow Pine

Treated Tongue & Groove S.Y.P.

Sizes for Selected Species

2 x 12

Rows of Skirt Board

1

2

3

4

5

Cancel

Update

Cancel

Back

Next

FIG. 15

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Facia & Soffit, 1

Dimensions

Building Height: 10 Ft 0 In

Building Width: 24 Ft 0 In

Wall Girts

Species: Spf #2 Standard & Better

Size: 2 x 4 Spacing: 24 In

Foundation

☒ Pier Footing ☐ Spread Footing

Poles

Species: Treated

Size: 4 x 6

Skirt Board

Species: Treated Southern Yellow Pine

Size: 2 x 12 Rows: 1

Update

Cancel **Back** **Next**

Wall Girt Selection

Species:

- [NONE]
- Douglas Fir
- Spf #2 Standard & Better**
- Yellow Pine

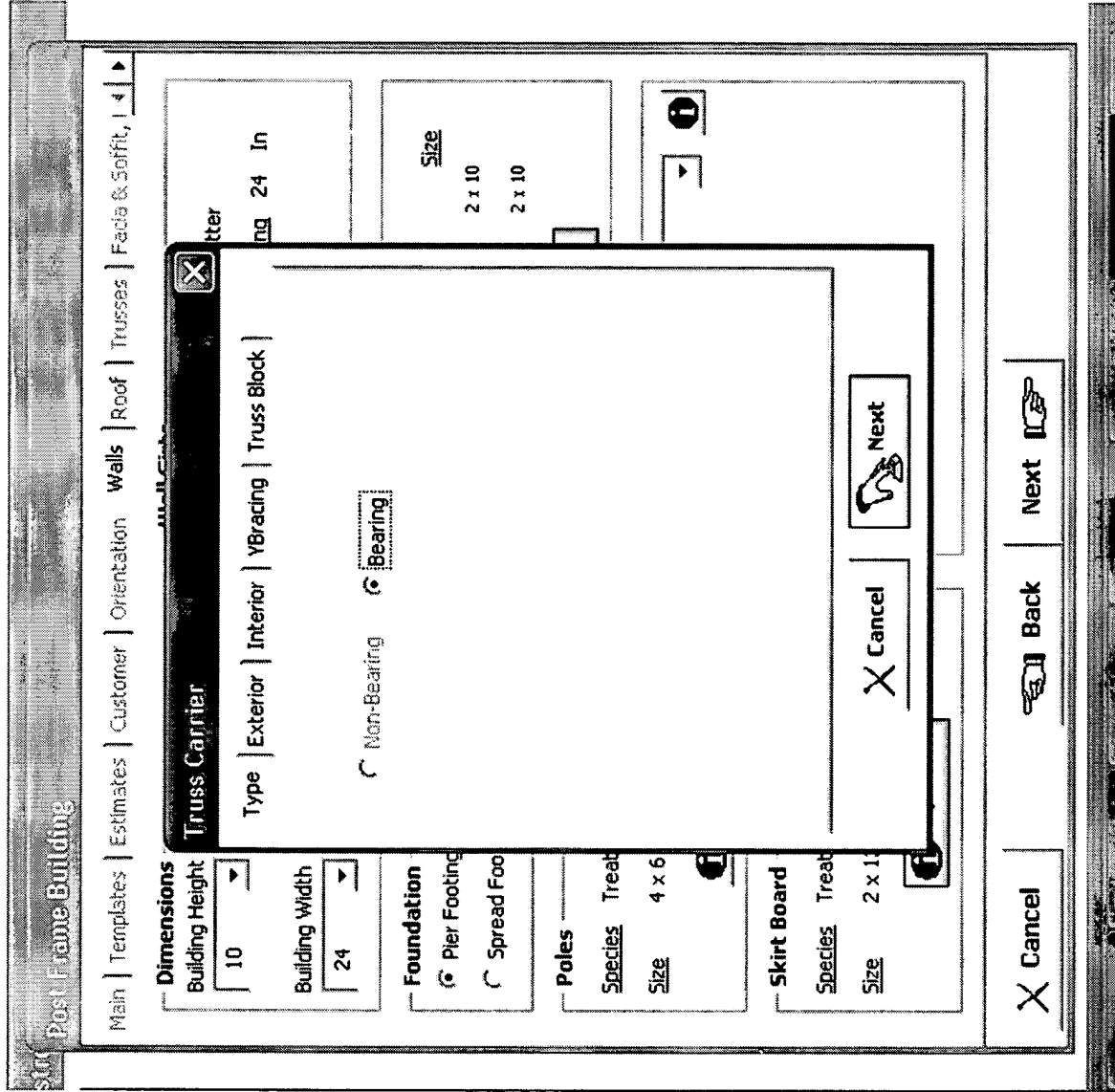
Sizes for Selected Species: 2 x 4

Spacing: 24 In

Cancel

Spacing options: [NONE], 12, 24, 36, 48, 60

FIG. 16



17 / 151

FIG. 17

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Fridge & Soffit, | >

Dimensions

Building Height

Building Width

Foundation

☒ Pier Footing ☐ Spread Footing

Poles

Species
Size

Skirt Board

Species
Size

Truss Carrier

Type

Species

Sizes for Selected Species

Rows

Trussing 24 In

Size

FIG. 18

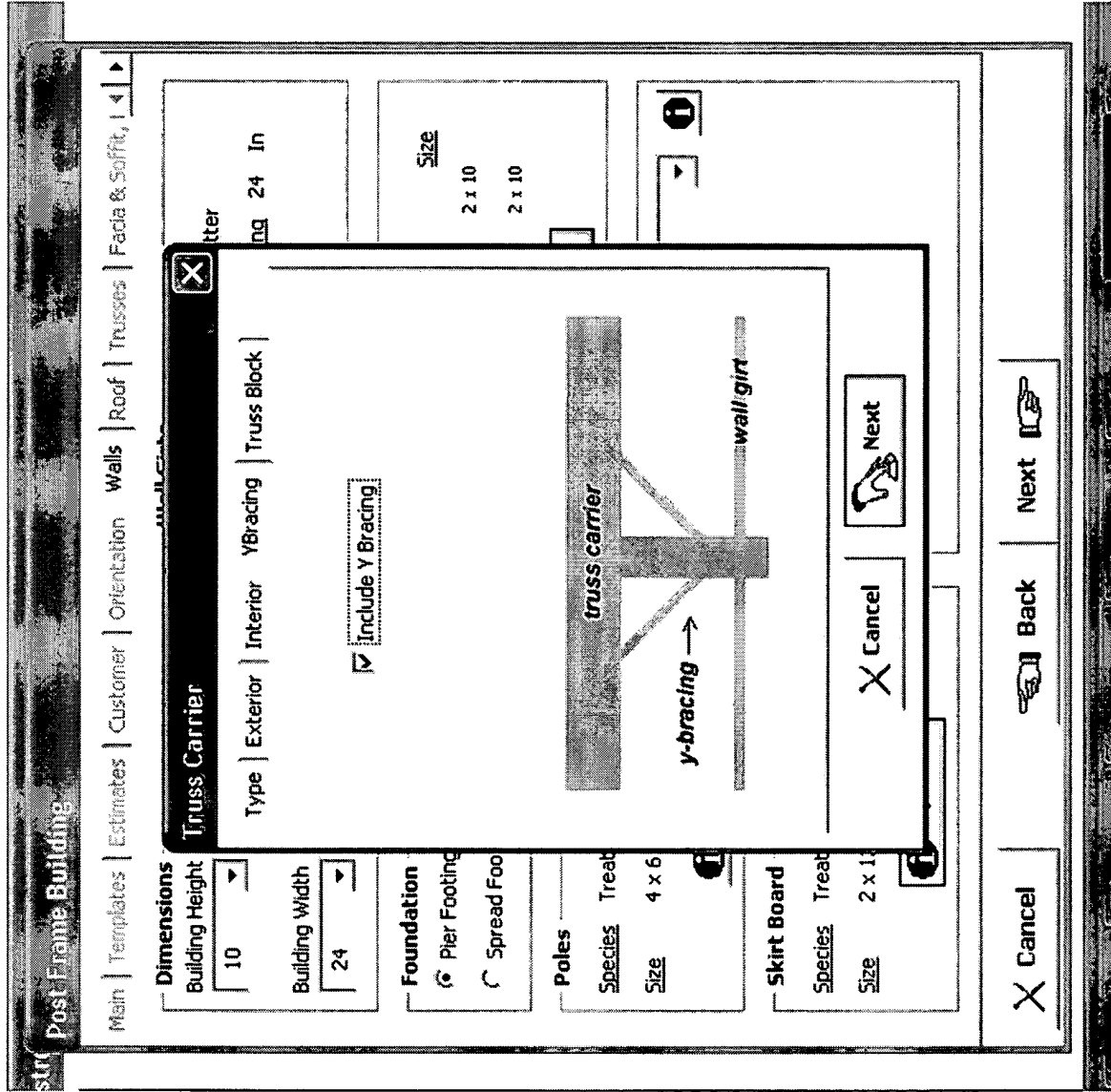


FIG. 19

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Facia & Soffit, I

Dimensions

Building Height: 10 Ft 0 In

Building Width: 24 Ft 24 In

Wall Girts

Species: Spf #2 Standard & Better

Size: 2 x 4 Spacing: 24 In

Update

Foundation

☒ Pier Footing 8 X 12 X 42

☐ Spread Footing

Truss Carrier

Species: Spf #2 Standard & Better

Size: 2 x 10

Interior: Spf #2 Standard & Better

Size: 2 x 10

Update

Poles

Species: Treated Southern Yellow Pine

Size: 4 x 6

Update

Skirt Board

Species: Treated Southern Yellow Pine

Size: 2 x 12 Rows: 1

Update

Wall Material Layers

1 Steel Siding

[NONE]
Plywood or OSB
Insulation
Wall Wrap
Wood Panel Siding
Steel Siding

Cancel **Back** **Next**

FIG. 20

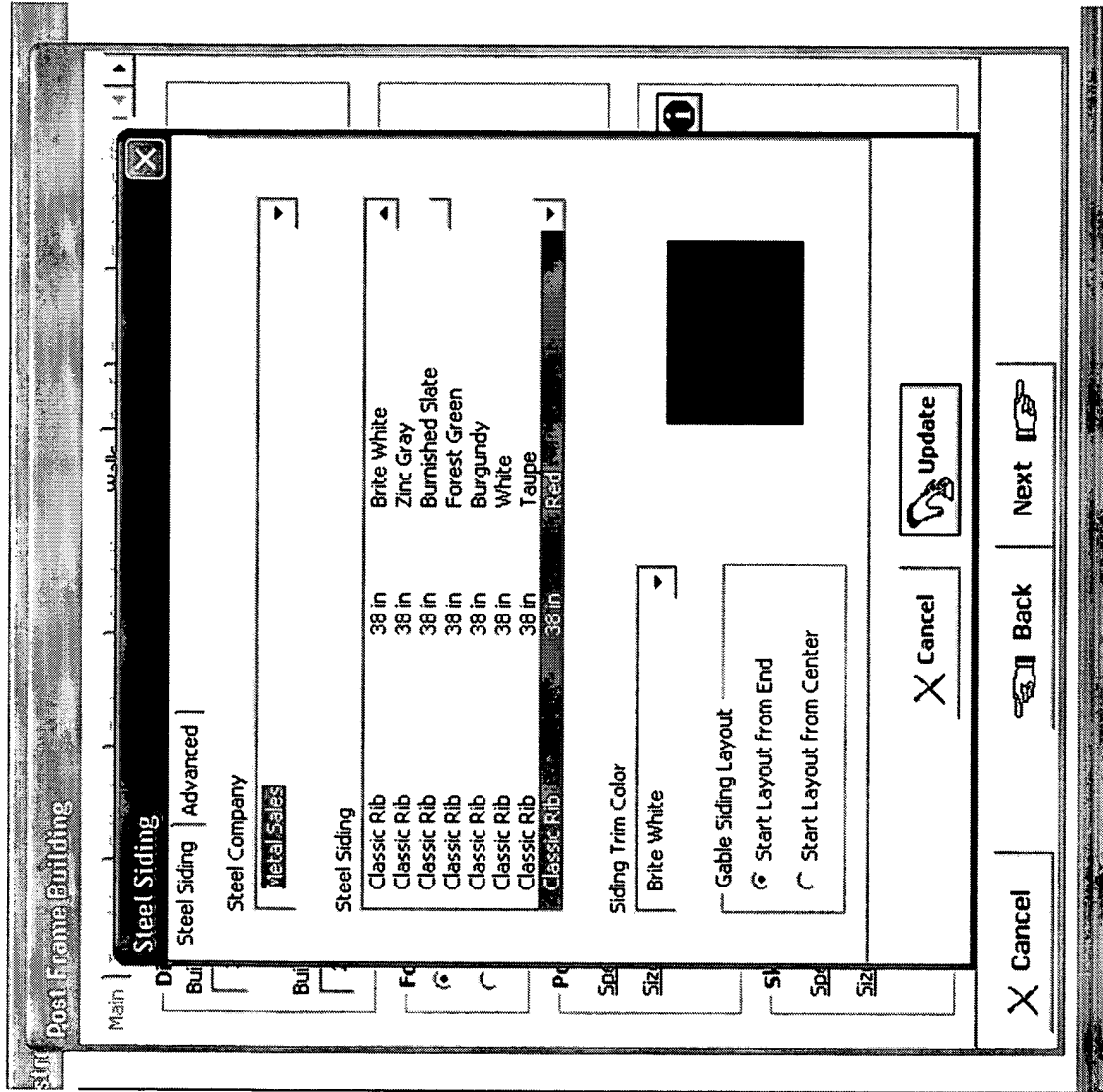


FIG. 21

Post Frame Building

Main

Steel Siding

Steel Siding Advanced

☒ Base Guard

☒ Steel Window Trim

☒ J Channel at Building Eave

☒ J Channel at Building Gable

Window Top

Drip Cap

Service Door Top

Drip Cap

J Channel

Overhead Door Top

Drip Cap

J Channel

Overhead/General Opening Jamb Covering

Door Post

Slider Jamb Covering

Door Post

Cancel

Update

Cancel

Back

Next

FIG. 22

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Facia & Soffit, 1-4

Roofing Material Layers

1

Plywood or OSB

2

Felt

3

Shingles

Add Water & Ice Guard to First 3 ft. of Eaves Roof Surface

Use Steel Ridge Vent

Pitch

Rise

4

in. / 12 in.

Purlins

Species

Size

Spacing

24 in.

Fastening

Update

Overhang

Eaves

12 in.

Gable

12 in.

Vents

Sectional Ridge

O.C. Vent Sure

Brand

Color

Update

Cancel

Back

Next

FIG. 23

Post-Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Facia & Soffit, 1 4

Roofing Material Layers

1 Plywood or OSB

Purlins

Species Size Spacing 24 in.

Plywood / OSB

Choose One:

3/8	3-Ply CDX	4 x 8	Standard	Stock
1/2	3-Ply CDX	4 x 8	Standard	Stock
1/2	4-Ply CDX	4 x 8	Standard	Stock
5/8	4-Ply CDX	4 x 8	Standard	Stock
7/16	Oriented Strand Board	4 x 8	Standard	Stock
1/2	Oriented Strand Board	4 x 8	Standard	Stock
3/4	Oriented Strand Board	4 x 8	Standard	Stock


☒ Use Plyclips

FIG. 24

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Facia & Soffit, 1 | 4 | ▶

Roofing Material Layers

1 | Plywood or OSB | 



Purlins


Species | Size | Spacing 24 in.

Felt

Choose One:

#15	Warrior	Stock
#30	Warrior	Stock

 Cancel  Update

 Update




 Cancel  Back  Next

FIG. 25

Post Frame Building

Shingle

Shingles

Drip Edge

Available Shingles

Owens Corning	Classic	Bark Brown	3-1 Tab	Standard	20 Year	Special
Owens Corning	Classic	Aspen Gray	3-1 Tab	Standard	20 Year	Stock
Owens Corning	Classic	Weathered Wood	3-1 Tab	Standard	20 Year	Stock
Owens Corning	Classic	Shasta White	3-1 Tab	Standard	20 Year	Stock
Owens Corning	Classic	Onyx Black	3-1 Tab	Standard	20 Year	Stock
Owens Corning	Classic	Driftwood	3-1 Tab	Standard	20 Year	Stock
Owens Corning	Classic	Desert Tan	3-1 Tab	Standard	20 Year	Stock
Owens Corning	Classic	Brownwood	3-1 Tab	Standard	20 Year	Stock
Owens Corning	Classic	Autumn Brown	3-1 Tab	Standard	20 Year	Special
Owens Corning	Classic	Chapel Gray	3-1 Tab	Standard	20 Year	Stock
Owens Corning	Supreme	Desert Tan	3-1 Tab	Standard	25 Year	Stock

Click to Search the Shingle List

List Shingles That Have The Following Characteristics:

Shingle Company

Owens Corning

Series

[ALL]

Color

[ALL]

Style

[ALL]

Size

[ALL]

Life

[ALL]

Availability

[ALL]

Warning: Making Changes in this area could change the selected shingle in the list above.

Cancel

OK

FIG. 26

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | **Roof** | Trusses | Fasia & Soffit, 1 | 4 | ▶

Roofing Material Layers

1	Plywood or OSB	▼	ⓘ
2	Felt	▼	ⓘ
3	Shingles	▼	ⓘ

☐ Add Water & Ice Guard to First 3 ft. of Eaves Roof Surface

☐ Use Steel Ridge Vent

Pitch

Rise in. / in.

5 6 7 8 9 10 11 12

Purlins

Species

Size Spacing in.

Fastening ⓘ Update

Overhang

Eaves in.

Gable in.

Vents

Sectional Ridge ⓘ Pan ⓘ Roll ⓘ

Brand O.C. Vent Sure

Color ⓘ Update

Cancel Back Next

FIG. 27

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Facia & Soffit, 1 < | >

Roofing Material Layers

1 [NONE]

Purlins

Species _____

Size _____ Spacing 0 in.

Fastening _____

Update

Overhang

Eaves 12 in.

Ridge _____ in.

☐ Use Steel Ridge

Pitch Rise 4 in. / 12 in.

Brand _____ Color _____

Update

Cancel

Back

Next

Construction Maestro 2.0

Owl Roof Layer 1 Must Not Be [NONE]


OK

FIG. 28

Post Frame Building

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Pads & Soffit, 1


Roofing Material Layers

1 Steel Panel 

Purlins

Species _____ Spacing 0 in.

Size _____

Fastening _____  Update

Overhang

Eaves 12 in.

Ridge _____ in.


☐ Use Steel Ridge




Pitch

Rise 4 in. / 12 in.


Brand _____ Color _____

Panel _____ Roll _____

 Update

 Cancel  Back  Next

Construction Maestro 2.0

 Whoops! Purlins Are Required For Steel Roof.

OK

FIG. 29

Post Frame Building

Main | Templates | Estimator | Customer | Orientation | Walls | Roof | Trusses | Eave & Soffit | 4

Roofing Material

1 Steel Panel

Pitch Rise

Use Steel

Purlin Selection

Purlin | Bird Board

Species

[NONE]
Douglas Fir
Spf #2 Standard & Better
Yellow Pine

Sizes for Selected Species Spacing

2 x 4 24 In

Fastening

☒ Fasten Purlin Laying Flat on Top of Truss
☐ Fasten Purlin Laying Upright on Edge on Top of Truss
☐ Fasten Purlin on Edge between Trusses

☒ Overlap Purlins

Cancel Next

Cancel Back Next

FIG. 30

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Facia & Soffit, 1

Roofing Material Layers

1

Plywood or OSB

2

Felt

3

Shingles

Add Water & Ice Guard to First 3 ft. of Eaves Roof Surface

Use Steel Ridge Vent

Pitch

Rise

4

in./ 12 in.

Purlins

Species

Size

Spacing

24 in.

Fastening

Update

Overhang

Eaves

12

in.

Gable

12

in.

[NONE]

Vents

Sectional Roll

Brand

O.C. Vent Sure

Color

Update

Cancel

Back

Next

FIG. 31

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Face & Soffit, 1

4

Truss Spacing

Spacing

24

in. on center

[NONE]

12

16

24

Truss Load

Top Chord

30

Dead

10

Bottom Chord

0

Live

10

Heel Height

Standard

Non-Standard

Plys

Number

1

Search For a Matching Truss Product

Truss Product

Top Chord Size

3.5

SKU

C1099-4905

Bottom Chord Size

3.5

Price

40

Updated On

10/13/2002

Company:

Bear Truss Co.

Phone:

989-681-5774

Contact:

Trigger

View Truss Details

Structural Gable

Structural Gable Truss with Horizontal Purlins Built In

SKU

Price

Girt Size

Girt Spacing

Cancel

Back

Next

FIG. 32

Post-Frame Building

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Facia & Soffit, Etc.

F

Truss Spacing

Spacing

24

in. on center

Truss Loading

Top Chord

30

Bottom Chord

0

Live

30

Dead

10

Heel Height

Standard

Non-Standard

Plys

Number

3

Search For a Matching Truss Product

Construction Maestro 2.0

Hey! No Trusses Were Found That Match Your Criteria. Please Enter Truss Information Below.

OK

Contact:

Trigger

View Truss Details

Structural Gable

SKU

Price

0

Girt Size

[NONE]

Girt Spacing

[NONE]

Structural Gable Truss with Horizontal Purlins Built In

Cancel

Back

Next

FIG. 33

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Facade & Soffit, I

Truss Spacing

24

in. on center

Heel Height

Standard

Truss Product Search Results

Standard

Structural Gable

Suggested Standard Trusses:

Company	TC Live	TC Dead	BC Live	BC Dead	Plys	Overhang
[NONE]						
Sub For Steel Manf.	30	10	0	10	1	12
Bear Truss Co.	30	10	0	10	1	12

The trusses listed above meet or exceed the live and dead loads for the top and bottom chords.

X Cancel

Update

Structural Gable

SKU

Price

0

Girt Size

[NONE]

Girt Spacing

[NONE]

X Cancel

Back

Next

FIG. 34

Truss Spacing Spacing <input type="text" value="24"/> <input type="button" value="in. on center"/>		Heel Height <input checked="" type="radio"/> Standard <input type="radio"/> Non-Standard											
Truss Loading <table border="1"> <thead> <tr> <th></th> <th>Live</th> <th>Dead</th> </tr> </thead> <tbody> <tr> <td>Top Chord</td> <td><input type="text" value="30"/></td> <td><input type="text" value="10"/></td> </tr> <tr> <td>Bottom Chord</td> <td><input type="text" value="0"/></td> <td><input type="text" value="10"/></td> </tr> </tbody> </table>			Live	Dead	Top Chord	<input type="text" value="30"/>	<input type="text" value="10"/>	Bottom Chord	<input type="text" value="0"/>	<input type="text" value="10"/>	Plys Number <input type="text" value="1"/> <input type="button" value="v"/>		
	Live	Dead											
Top Chord	<input type="text" value="30"/>	<input type="text" value="10"/>											
Bottom Chord	<input type="text" value="0"/>	<input type="text" value="10"/>											
<div style="border: 2px solid black; padding: 5px; text-align: center;"> Search For a Matching Truss Product </div>													
Truss Product Top Chord Size <input type="text" value="3.5"/> <input type="button" value="v"/> Bottom Chord Size <input type="text" value="3.5"/> <input type="button" value="v"/> Company: <input type="text" value="Bear Truss Co."/> <input type="button" value="v"/> Contact: <input type="text" value="Trigger"/>		SKU <input type="text" value="C1099-4905"/> Price <input type="text" value="40"/> Updated On 10/18/2002 Phone: <input type="text" value="989-681-5774"/> <div style="border: 1px solid black; padding: 5px; text-align: center;"> View Truss Details </div>											
Structural Gable Truss with Horizontal Purlins Built In <table border="1"> <thead> <tr> <th></th> <th>SKU</th> <th>Price</th> <th>Girt Size</th> <th>Girt Spacing</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Structural Gable</td> <td><input type="text"/></td> <td><input type="text" value="0"/></td> <td><input type="text" value="[NONE]"/> <input type="button" value="v"/></td> <td><input type="text" value="[NONE]"/> <input type="button" value="v"/></td> </tr> </tbody> </table>					SKU	Price	Girt Size	Girt Spacing	<input type="checkbox"/> Structural Gable	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="[NONE]"/> <input type="button" value="v"/>	<input type="text" value="[NONE]"/> <input type="button" value="v"/>
	SKU	Price	Girt Size	Girt Spacing									
<input type="checkbox"/> Structural Gable	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="[NONE]"/> <input type="button" value="v"/>	<input type="text" value="[NONE]"/> <input type="button" value="v"/>									

FIG. 35

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Fade & Soffit, I & J

Truss Details

Company

Bear Truss Co.

Contact:

Trigger

Phone:

989-681-5774

Top Chord

Live

Dead

Size

30

10

3.5

Bottom Chord

Live

Dead

Size

0

10

3.5

Width

24

Rt.

Overhang

12

in.

Plys

1

Rise

4

in./ 12 in.

Spacing

24

in. on center

Heel Type

Standard

Count

13

SKU

C1099-4905

Price @

\$ 40

Standard

13

Structural

Gable

CLOSE

Cancel

Back

Next

FIG. 36

Post Frame Building

Main

Templates

Estimates

Customer

Orientation

Walls

Roof

Trusses

Facade & Soffit, I

Dimensions

Building Height

10

Ft

0

In

Building Width

30

Ft

24

Ft

Wall Girts

Species

Spf #2 Standard & Better

Size

2 x 4

Spacing

24 In

Update

Foundation

Pier Footing

8 X 12 X 42

Spread F

Truss Carrier

Species

Exterior Spf #2 Standard &

Size

2 x 10

x 10

Poles

Species

Treated Southern Yellow Pine

Size

4 x

Skirt Board

Species

Treated Southern Yellow Pine

Size

2 x 12

Rows

1

Update

Cancel

Back

Next

Construction Maestro 2.0

The Building Width Has Changed.

If You Click Yes, You Will Need To Reenter Truss Choices.

If You Click No, The Building Width Will Be Restored To 24

Yes

No

FIG. 37

Post Frame Building

Orientation

Walls

Roof

Trusses

Facia & Soffit, Etc.

Fasteners

Messages

Summary

Soffit/Facia Cover

	Material	Company	Color	Type
Facia	Aluminum	Amerimax	White	Separate
Soffit	Aluminum	Amerimax	White	Separate

Update

Facia Stock

Species

Spf #2 Standard & Better

Size

2 x 6

Update

Gutter

Company

Material

Color

Update

Cupola/Weathervane

Cupola

W. Vane

Update

Miscellaneous Items

Cancel

Back

Next

Facia / Soffit Selection

Type

Facia

Soffit

Steel Soffit/Facia Combo

Wood Facia

Wood Soffit

Wood Veneer

Available Facia

(NONE)	Aluminum	Amerimax	White	8 in x 12 ft	5 ft
Aluminum	Amerimax	White	8 in x 12 ft	5 ft	5 ft
Aluminum	Amerimax	Brown	8 in x 12 ft	5 ft	5 ft
Aluminum	Amerimax	Brown	8 in x 12 ft	5 ft	5 ft
Aluminum	Amerimax	White	8 in x 12 ft	5 ft	5 ft
Vinyl	Crane Plastics	Brown	8 in x 12 ft	5 ft	5 ft
Vinyl	Crane Plastics	White	8 in x 12 ft	5 ft	5 ft

Click to Search the Facia List

Cancel

OK

FIG. 38

FIG. 39

FIG. 40

Facia / Soffit Selection

Type **Facia** | **Soffit** | Steel Soffit/Facia Combo | Wood Facia | Wood Soffit | Wood Vent

Available Facia

[NONE]	Amerimax	White	6 In in x 12 ft	Stc
Aluminum	Amerimax	White	8 In in x 12 ft	Stc
Aluminum	Amerimax	Brown	6 In in x 12 ft	Stc
Aluminum	Amerimax	Brown	8 In in x 12 ft	Stc
Aluminum	Amerimax	White	4 In in x 12 ft	Stc
Aluminum	Amerimax	Brown	4 In in x 12 ft	Stc
Vinyl	Crane Plastics	White	6 In in x 12 ft x	Stc
Vinyl	Crane Plastics	White	8 In in x 12 ft x	Stc

Click to Search the Facia List

List Facia That Has The Following Characteristics:

Material [ALL] Company [ALL]

Color [ALL] Availability [ALL]

Warning: Making Changes in this area could change the selected facia in the list above.

Cancel OK

FIG. 41

Facia / Soffit Selection

Type **Facia** | **Soffit** | Steel Soffit/Facia Combo | Wood Facia | Wood Soffit | Wood Vent

Available Facia

[NONE]	Amerimax	White	6 In in x 12 ft	Stc
Aluminum	Amerimax	White	8 In in x 12 ft	Stc
Aluminum	Amerimax	Brown	6 In in x 12 ft	Stc
Aluminum	Amerimax	Brown	8 In in x 12 ft	Stc
Aluminum	Amerimax	White	4 In in x 12 ft	Stc
Aluminum	Amerimax	Brown	4 In in x 12 ft	Stc
Aluminum	Quality Aluminum Products	White	4 In in x 12 ft	Stc
Aluminum	Quality Aluminum Products	Pearl Gray	6 In in x 12 ft	Stc

Click to Search the Facia List

List Facia That Has The Following Characteristics:

Material Aluminum Company [ALL]

Color [ALL] Availability [ALL]

Warning: Making Changes in this area could change the selected facia in the list above.

Cancel Next

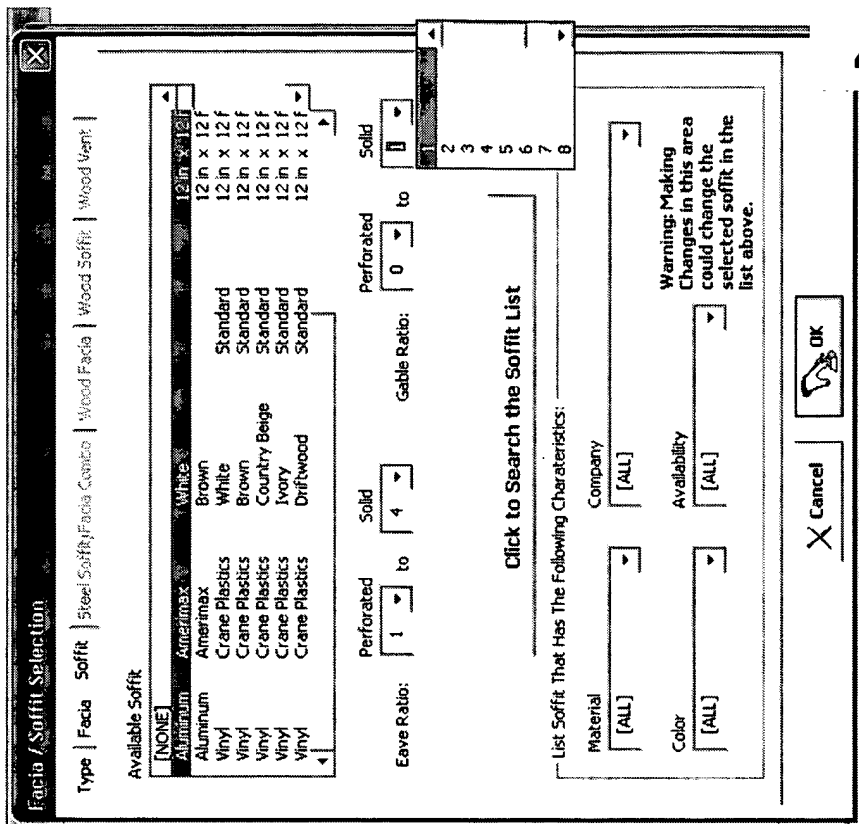


FIG. 43

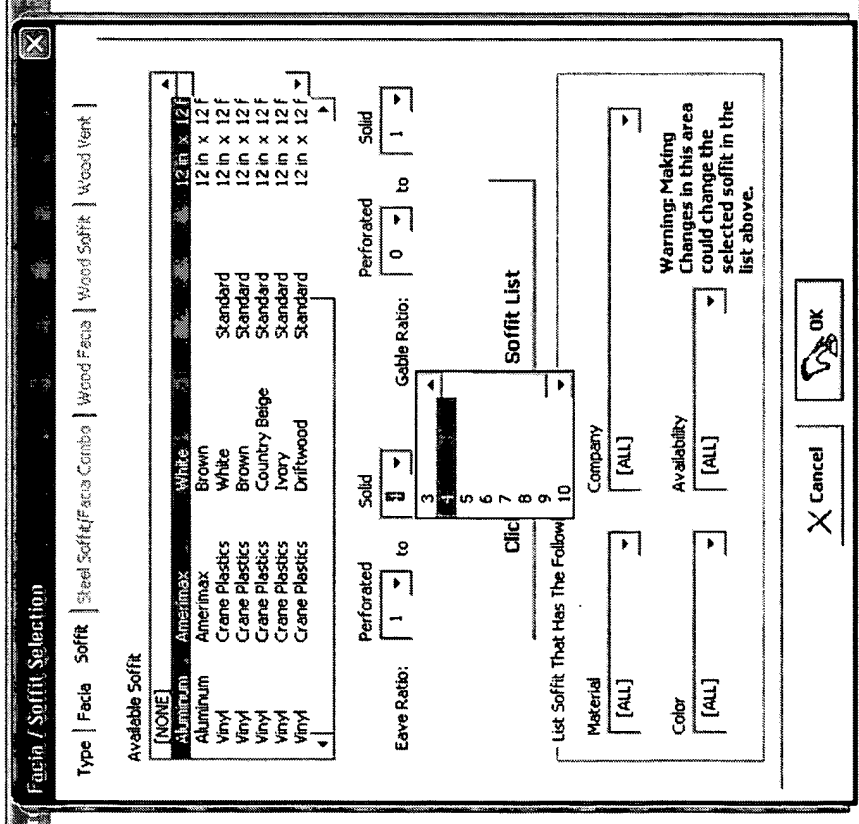


FIG. 42

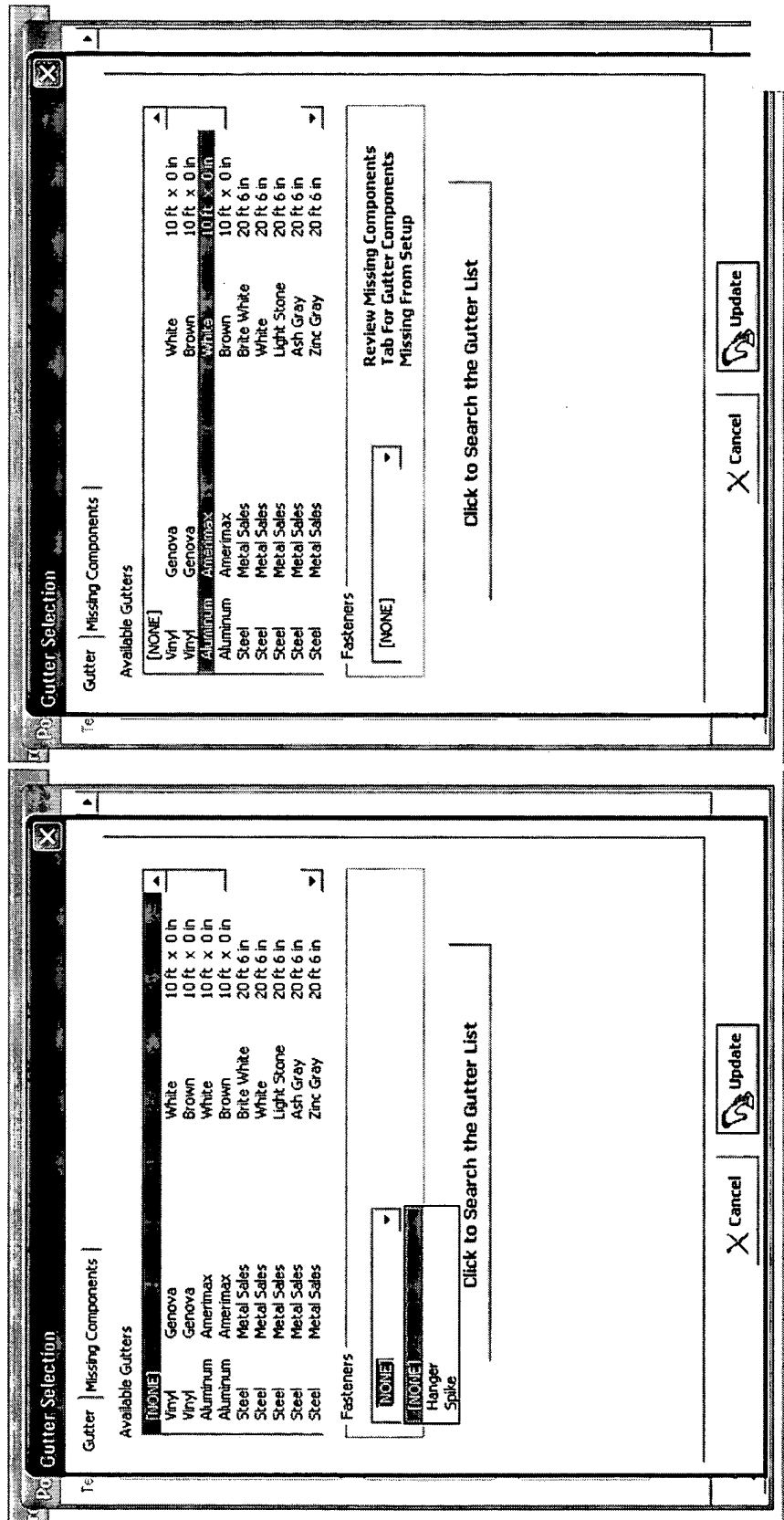


FIG. 44

FIG. 45

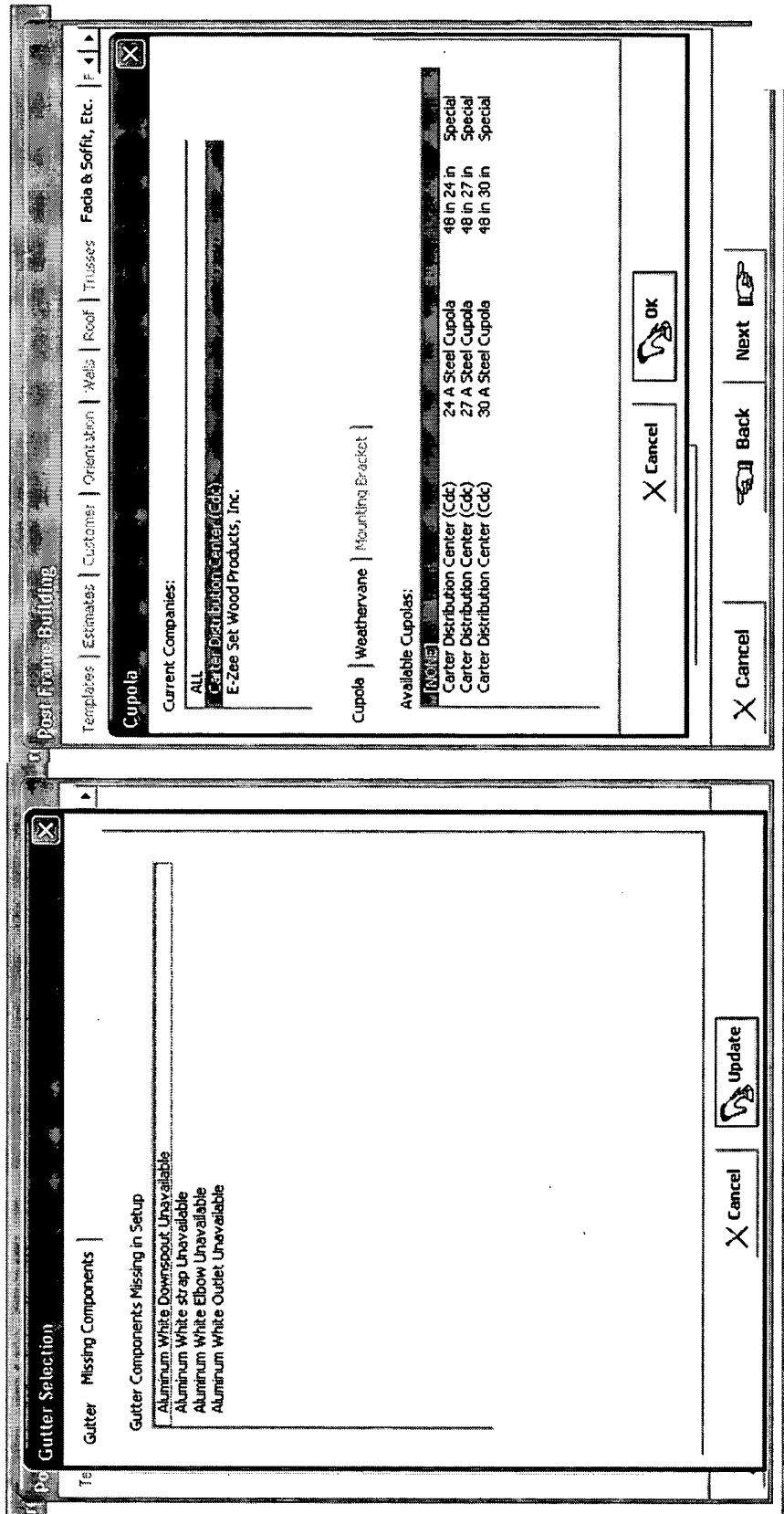


FIG. 47

FIG. 46

Post Frame Building

Orientation | Walls | Roof | Trusses | Panels & Soffit, Etc. | Fasteners | Messages | Summary

Message Center

Pole Barn Looks Great! No Warnings or Conflicts To Report.

Cancel | Back | Next | Finish

Post Frame Building

Orientation | Walls | Roof | Trusses | Panels & Soffit, Etc. | Fasteners | Messages | Summary

CUSTOMER

Jerry Jackson
5522 W. Vienna Rd.
Clio, MI 48420
jjackson@axc.org

810.687.2211

ORIENTATION

Orientation

North

WALLS

Height

10

Width

24

Length

24

Foundation

Pier Footing

8 X 12 X 42

Poles

Treated Southern Yellow

4 x 6

Wall Girts

Spf #2 Standard & Better

2 x 4

Top Girt Exterior

Spf #2 Standard & Better

2 x 10

Top Girt Interior

Spf #2 Standard & Better

2 x 10

Wall Layer 1

Steel Siding

Classic Rib Red

ROOF

Eave Overhang

12

Gable Overhang

12

Pitch

4

Roof Layer 1

Plywood or OSB

Roof Layer 2

Felt

Roof Layer 3

Shingles

Vent

Roll

TRUSS

Cancel | Back | Next | Finish

FIG. 51

FIG. 50

Post Frame Building

Orientation | Walls | Roof | Trusses | Facia & Soffit, Etc. | Fasteners | Messages | Summary

ROOF	
Eave Overhang	12
Gable Overhang	12
Pitch	4
Roof Layer 1	Plywood or OSB
Roof Layer 2	Felt
Roof Layer 3	Shingles
Vent	Roll
Oriented Strand Board 4 > Warrior #15 Owens Corning Weather	
TRUSS	
Bear Truss Co.	30 10 0 10
FACIA/SOFFIT/GUTTER	
Facia	Amerimax
Soffit	Aluminum
Facia Stock	Spf #2 Standard & Better 2 x 6
FASTENERS	
Wall Layer	Skirt Board
Wall Layer	Wall Girt
Wall Layer	Truss Carrier Exterior
Wall Layer	Truss Carrier Interior
Wall Layer 1	Steel Wall
Roof Layer 1	Plywood or OSB
Roof Layer 2	Felt
Roof Layer 3	Shingles
Truss	Truss
Roof Layer	Alum/Vinyl Facia
Roof Layer	Alum/Vinyl Soffit
2 x 12 2 x 4 2 x 10 2 x 10 Red Classic Rlb Oriented Strand Board Warrior #15 Classic Bear Truss Co. White Aluminum 1 1/4" Alum.	
3G 160 Gah 3G 160 Stiff 3G 600 Stiff 3G 600 Stiff 2 1/2" Neop 3G 8D C.C. 3/8" 1 1/4" G. 3G 160 C.C 1 1/4" Alum.	
White White	

Cancel

Back

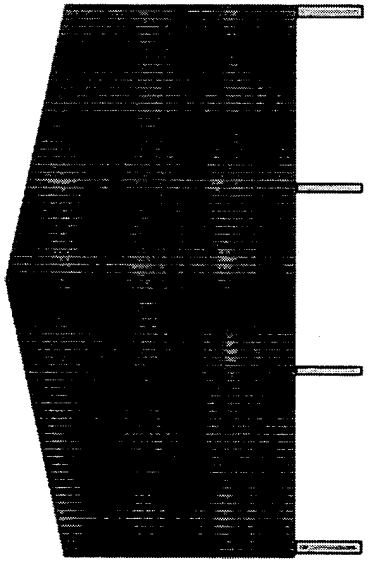
Next

FINISH

FIG. 52

West Side-Cable Side 2

Table Side 1	Eave Side 1	Eave Side 2	FINISH
--------------	-------------	-------------	--------



OPENING LIST

Add New Opening

FIG. 53

South Side-Eave Side 1

gable Side 1	Eave Side 2	Gable Side 2	FINISH
--------------	-------------	--------------	--------



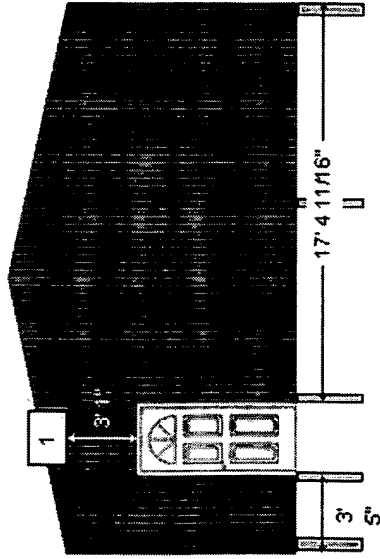
OPENING LIST

Add New Opening

FIG. 54

East Side-Gable Side 1

Save Side 1	Gable Side 2	Eave Side 2	FINISH
-------------	--------------	-------------	--------



OPENING LIST

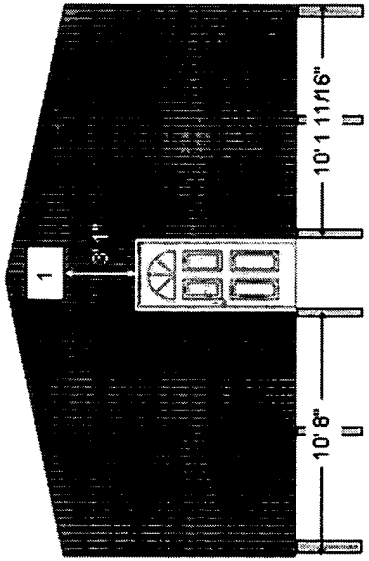
13/0 C 5 255

Add New Opening
Update Selected Opening
Delete Selected Opening
Move Selected Opening

FIG. 55

East Side-Gable Side 1

Eave Side 1	Gable Side 2	Eave Side 2	FINISH
-------------	--------------	-------------	--------



OPENING LIST

1 3/0 C/S 255

Add New Opening
Update Selected Opening
Delete Selected Opening
Move Selected Opening

FIG. 56

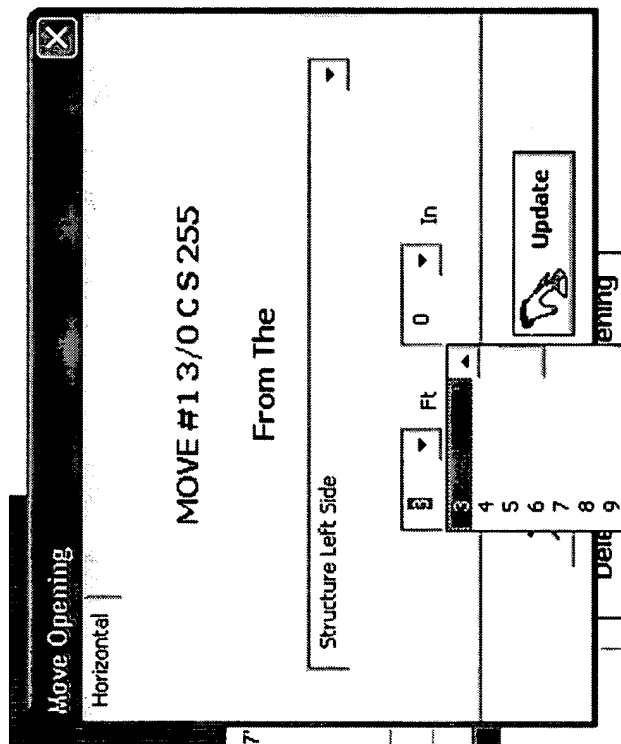


FIG. 57

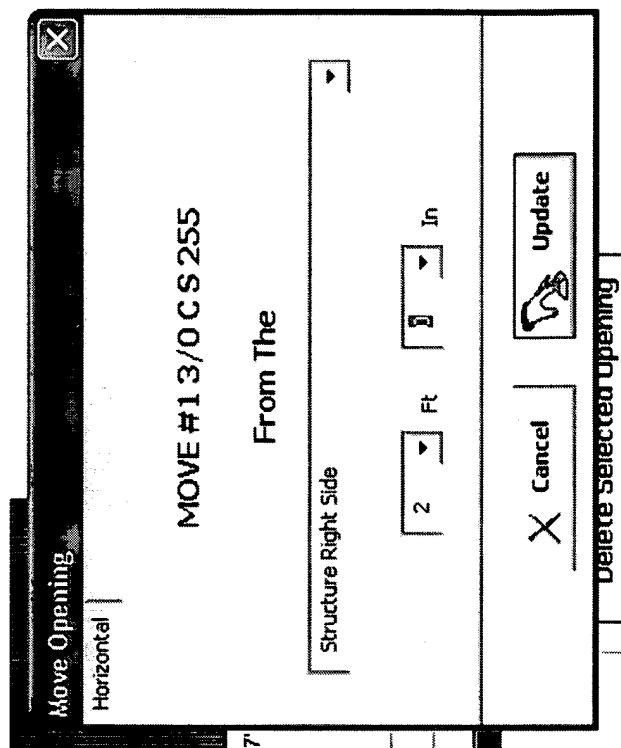
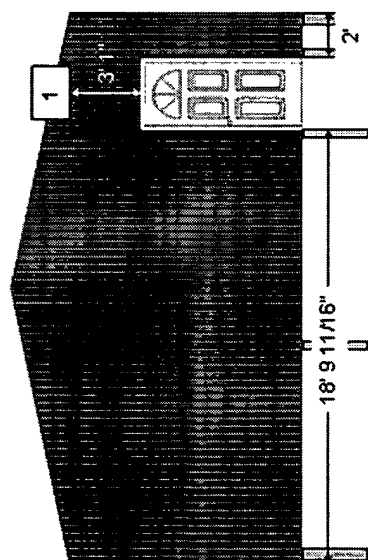


FIG. 58

East Side-Gable Side 1



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[illegible]

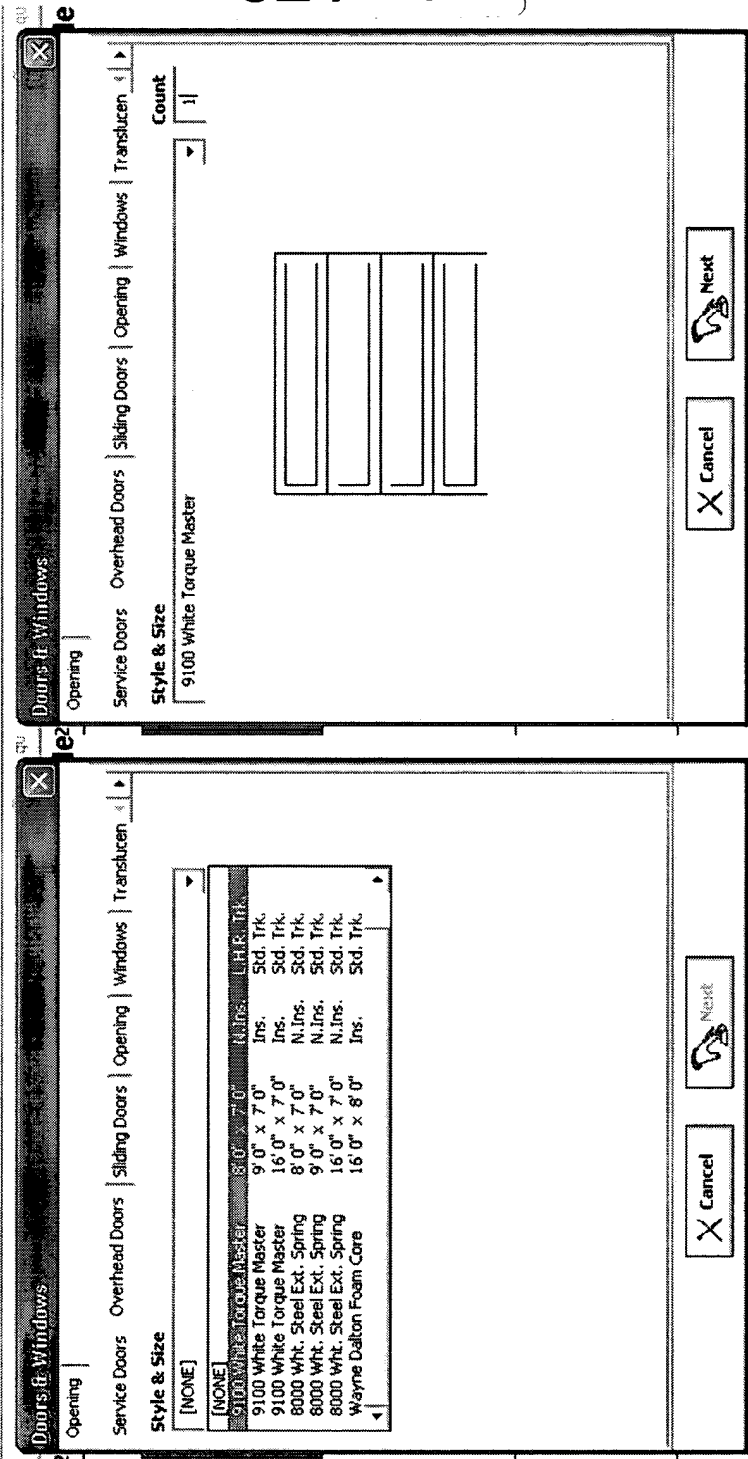


FIG. 60

FIG. 61

Doors & Windows

Opening

Service Doors

Overhead Doors

Sliding Doors

Opening

Windows

Translucen

Style & Size

9100 White Torque Master

Count

2

4 x 6

4 x 6

4 x 6

4 x 6

4 x 6

Doors & Windows

Opening

Opening Poles

Species

Treated Southern Yellow Pine

Pole Size

4 x 6

Pole Orientation

Side Facing Wall

3.5

wall girt

post

Cancel

Next

FIG. 62

FIG. 63

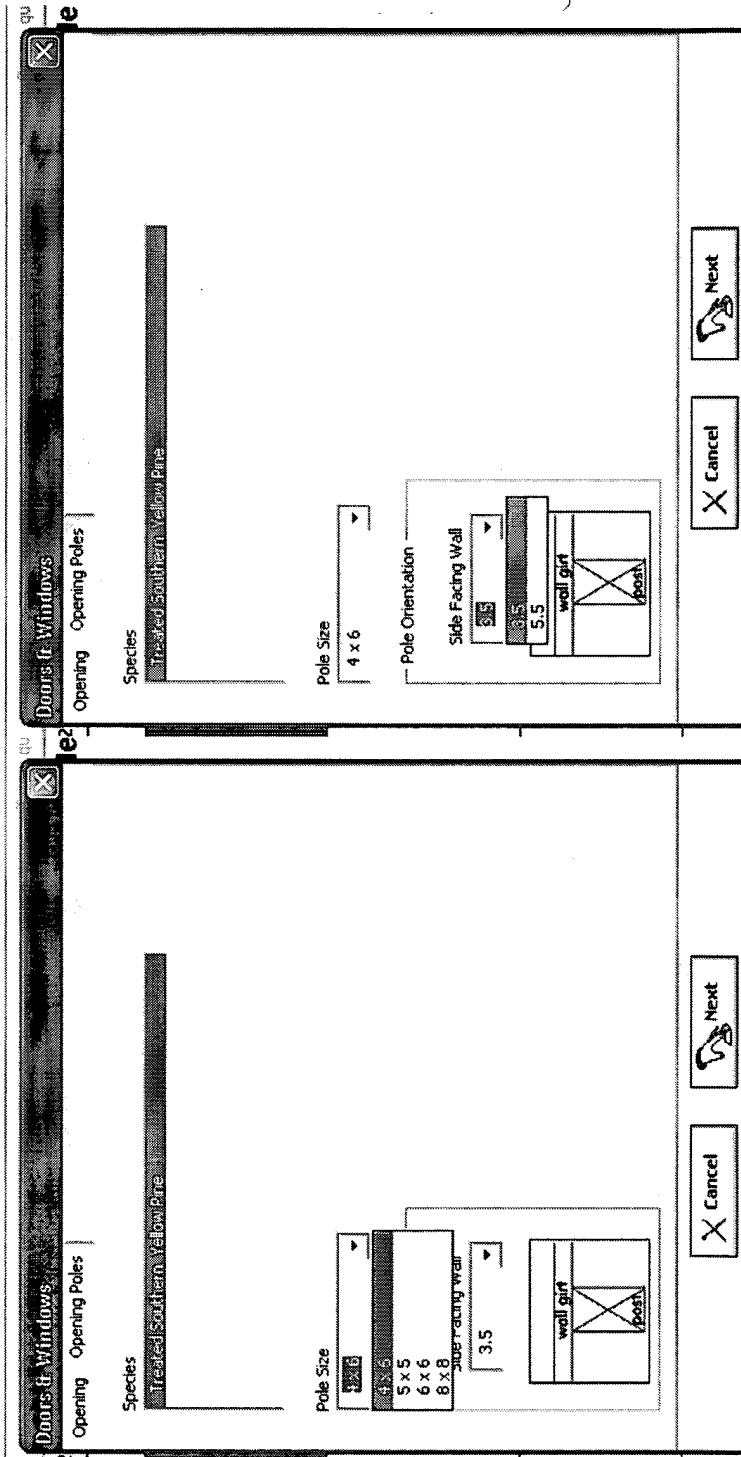


FIG. 64

FIG. 65

FIG. 66

FIG. 67

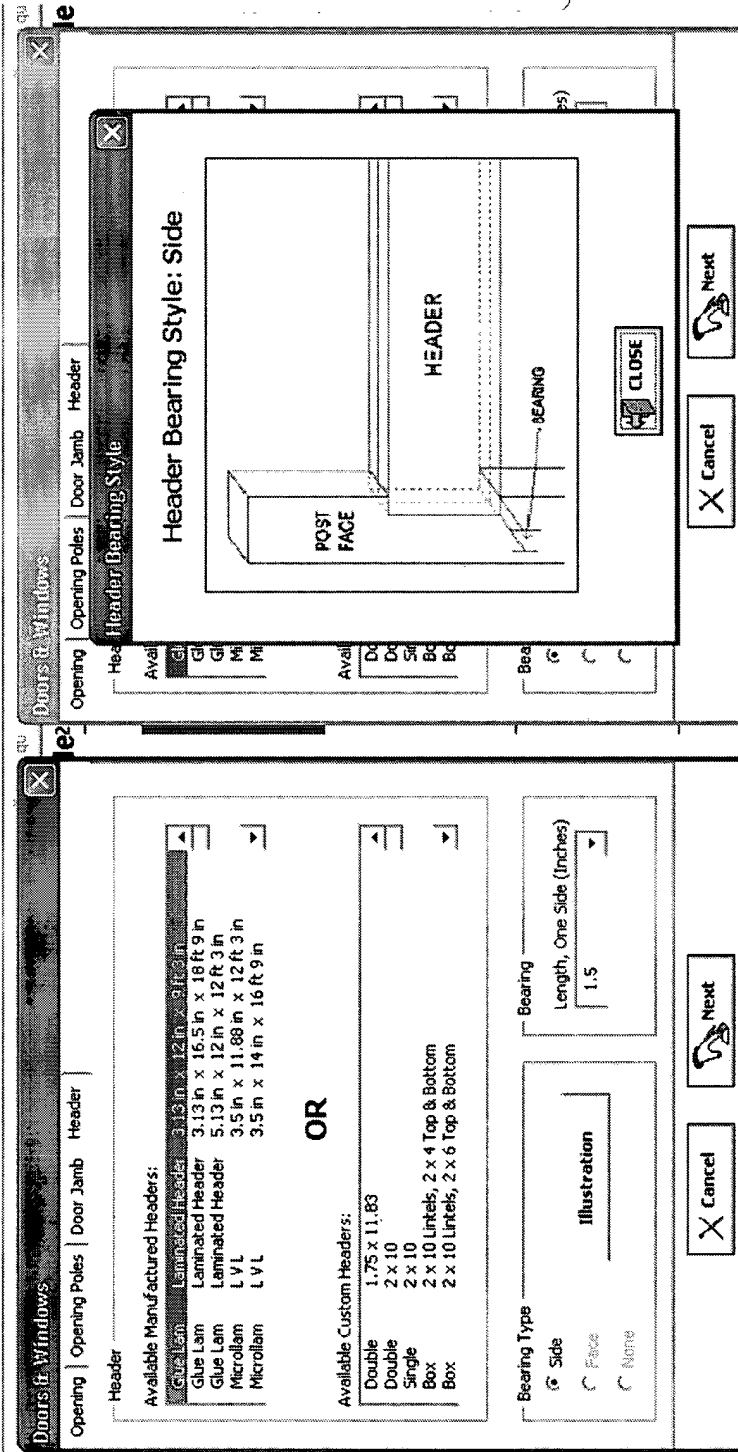


FIG. 68

FIG. 69

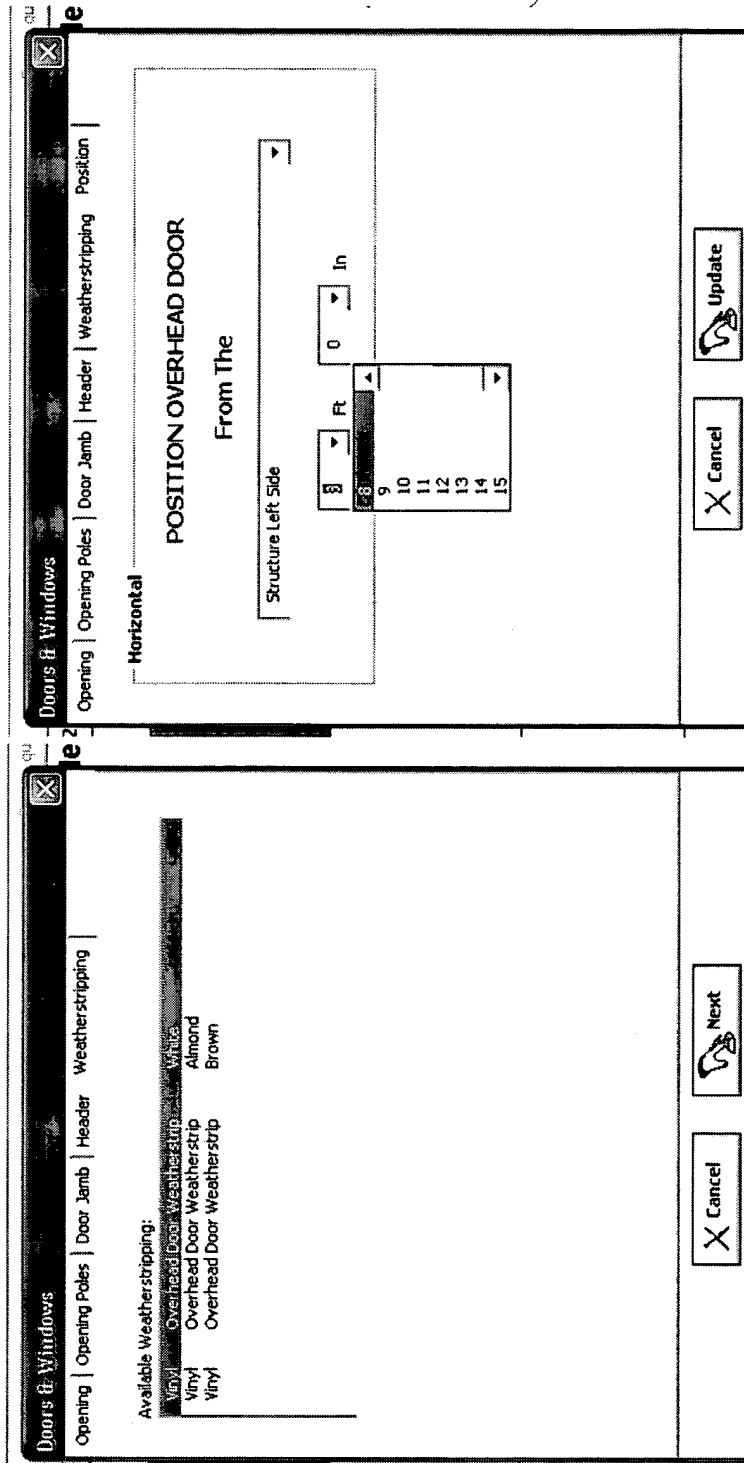
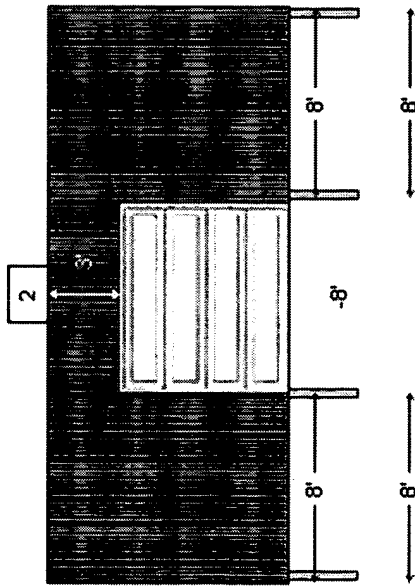


FIG. 71

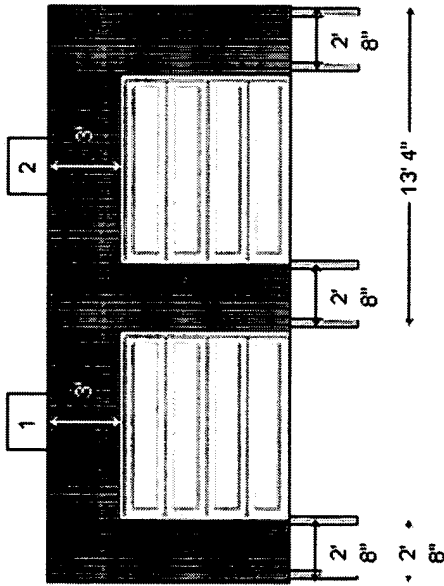
FIG. 70



OPENING LIST

1 9100 White Torque Master	Add New Opening
2 9100 White Torque Master	Update Selected Opening
	Delete Selected Opening
	Move Selected Opening

FIG. 72



◀

▶

OPENING LIST

1	9100 White Torque Master
2	9100 White Torque Master

Add New Opening
Update Selected Opening
Delete Selected Opening
Move Selected Opening

FIG. 73

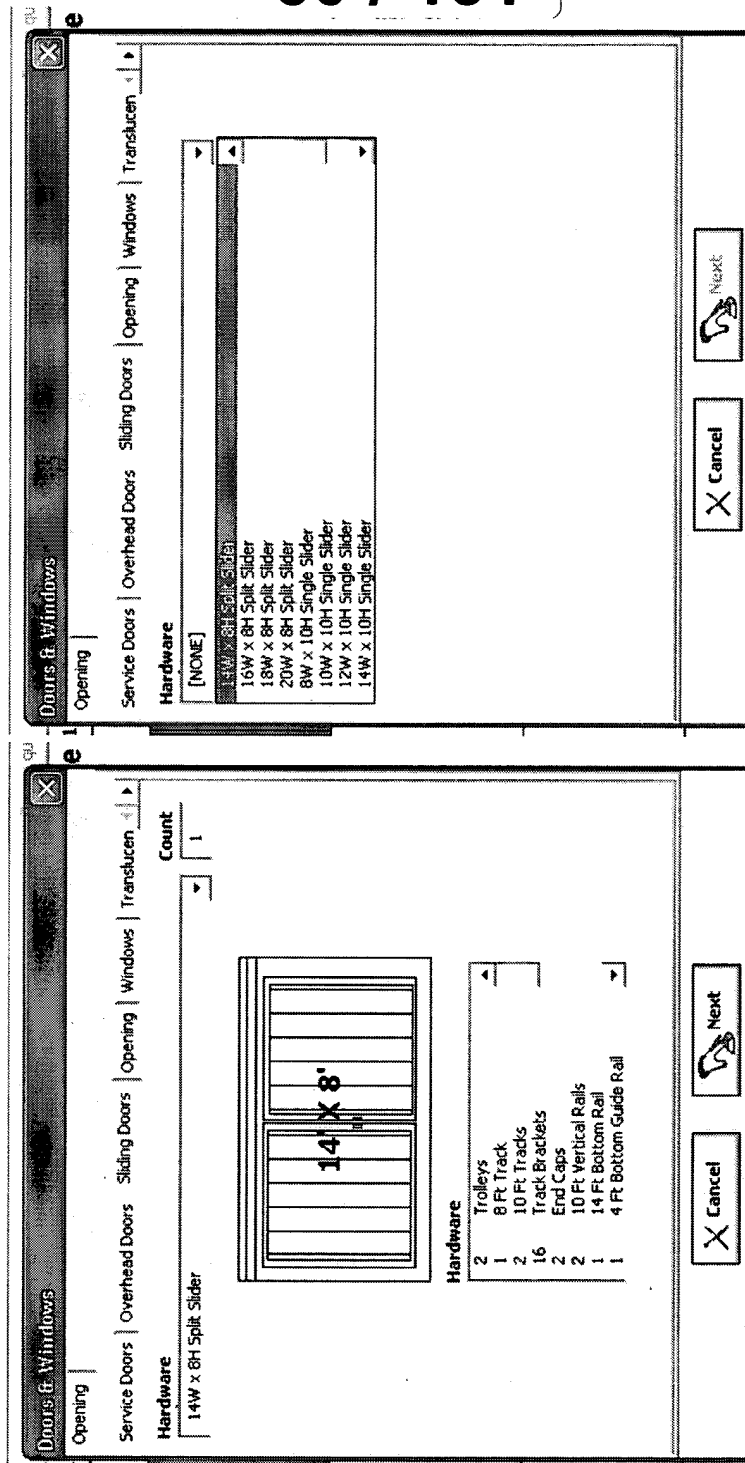


FIG. 74

FIG. 75

FIG. 77

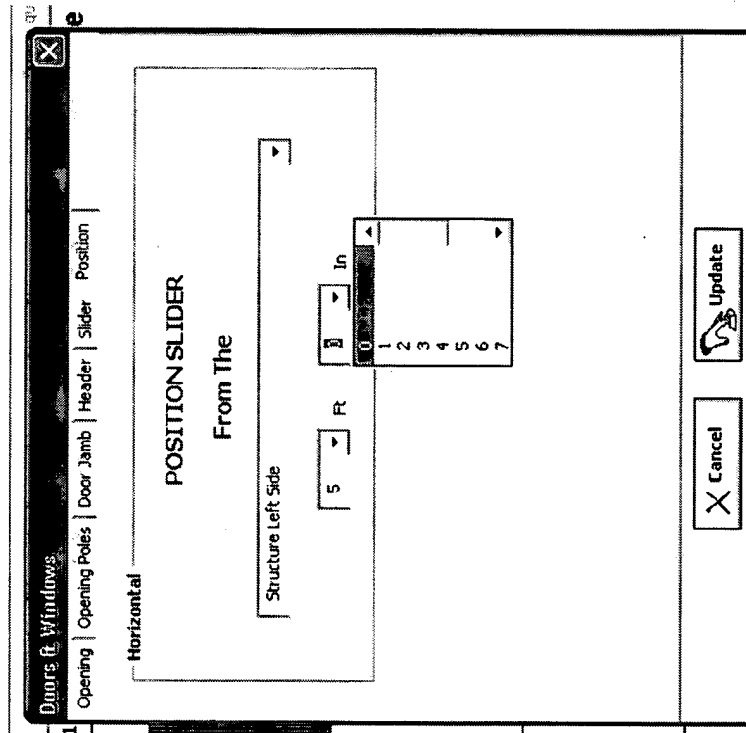
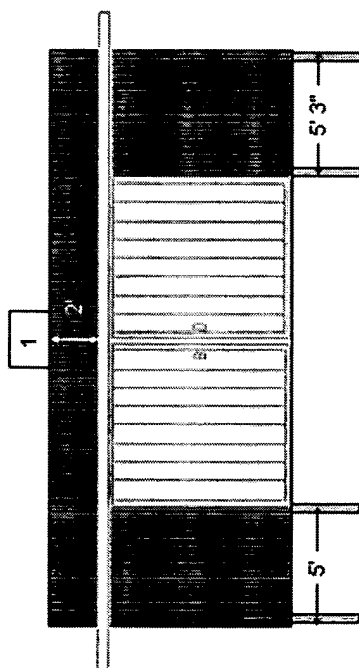


FIG. 78



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[illegible]

FIG. 79

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The image displays two screenshots of a software window titled "Doors & Windows". The window has a tabbed interface with the following tabs: Opening, Service Doors, Overhead Doors, Sliding Doors, Opening, Windows, and Translucen. The "Opening" tab is active in both screenshots.

Left Screenshot:

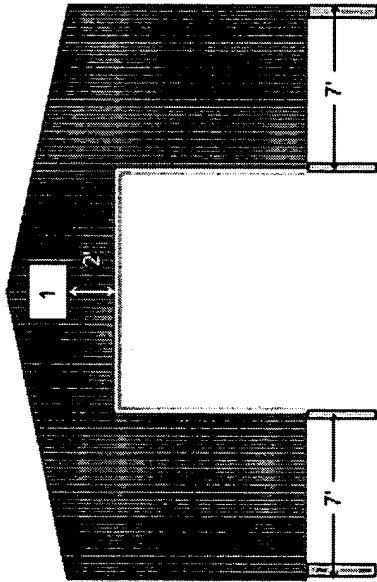
- Width: [NONE] Ft.
- Height: [NONE] Ft.
- Count: 1
- Central display: An empty rectangular box.
- Buttons: Cancel, Next

Right Screenshot:

- Width: 8 Ft.
- Height: 10 Ft.
- Count: 1
- Central display: A rectangular box containing the text "8 X 10".
- Buttons: Cancel, Next

FIG. 80

FIG. 81



◀

▶

OPENING LIST

1. Opening

Add New Opening
Update Selected Opening
Delete Selected Opening
Move Selected Opening

FIG. 82

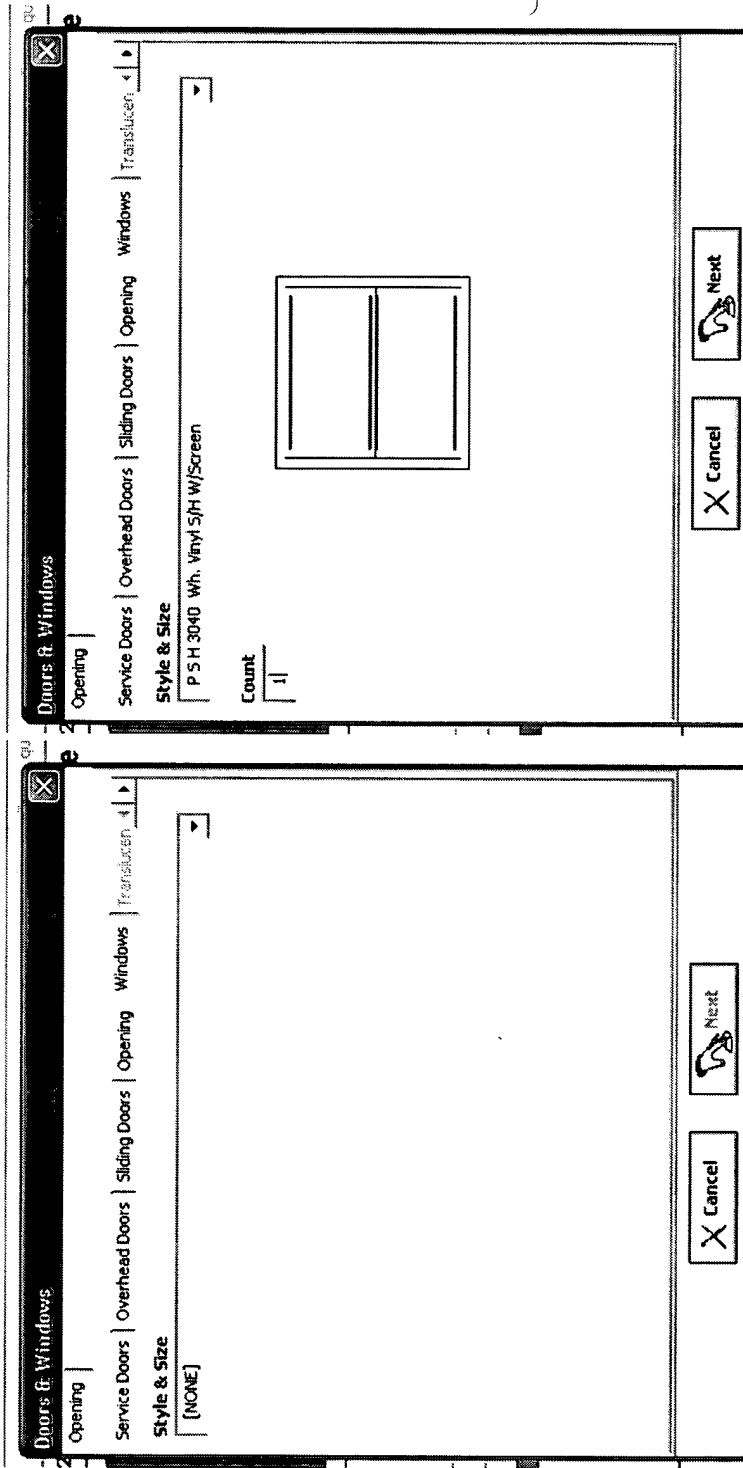


FIG. 83

FIG. 84

Doors ft. Windows

Opening Position

Horizontal

POSITION WINDOW

From The

Structure Left Side

11 Ft 0 In

Vertical

POSITION OPENING

From The

Structure Top

3 Ft 0 In

Cancel Update

FIG. 85

Eave Side 1

Gable Side 2

Eave Side 2

FINISH

1

2

3'

5"

11'

10'

3'

4' 4 11/16"

3'

10'

3'

5"

11'

10'

3'

4' 4 11/16"

3'

10'

OPENING LIST

1 3/10 C 5 255

2 P 5 H 3040 Wh Vinyl S

Add New Opening

Update Selected Opening

Delete Selected Opening

Move Selected Opening

FIG. 86

Plans/Drawings

Print The Following Plans And Drawings:


☐ Print Nothing, Just View
☐ Print Nothing, Just Give Quick Quote
☐ Print Cover Page
☐ Print Directions
☐ Print Site Plan
☐ Print Materials List
☐ Print Special Order Form
☐ Print Steel Plans, Forms & Drawings

Options:
☐ Sold Estimate

Cancel OK

Quick Quote

Customer:	Jerry Jackson
Description:	24 X 24 X 10 Pole Barn
Subtotal:	\$ 4860.72
Tax:	\$ 291.64
Grand Total:	\$ 5152.36

 Print Materials List

Done

FIG. 87

FIG. 88

Plans/Drawings

Print The Following Plans And Drawings:

- ☐ Print Nothing, Just View
- ☐ Print Nothing, Just Give Quick Quote
- ☒ Print Cover Page
- ☒ Print Directions
- ☒ Print Site Plan
- ☒ Print Materials List
- ☒ Print Special Order Form
- ☒ Print Steel Plans, Forms & Drawings

Includes Plyco & Cannonball Manufacturer's Schematics.

Options:

- ☒ Solid Estimate
- ☒ Include Subtotals On Materials List
- ☒ Include Grand Totals On Materials List
- ☒ Include Quantities On Materials List

Cancel OK

FIG. 89

Plans/Drawings

Print The Following Plans And Drawings:

- ☒ Print Steel Plans, Forms & Drawings
- ☒ Print Steel Component Details
- ☒ Print Steel Component Application Details
- ☒ Print Steel Wall Panel Layout
- ☒ Print Steel Report
- ☒ Print Steel Order Form
- ☒ Print Building Frame Drawings
- ☒ Print Plywood Layout

Options:

- ☒ Solid Estimate
- ☒ Include Subtotals On Materials List
- ☒ Include Grand Totals On Materials List
- ☒ Include Quantities On Materials List

Cancel OK

FIG. 90

Plans/Drawings

Print The Following Plans And Drawings:

- ☒ Print Building Frame Drawings
- ☒ Print Plywood Layout
- ☒ Print Truss, Purlin, & Fasia Stock Layout
- ☒ Print Skirt Board, Wall Girt, Top Girt/Truss Carrier Layouts
- ☒ Print Pole Layout
- ☒ Print Cut List
- ☒ Print Cross Section Views
- ☒ Print Cross Section

Options:

- ☒ Solid Estimate
- ☒ Include Subtotals On Materials List
- ☒ Include Grand Totals On Materials List
- ☒ Include Quantities On Materials List

Cancel OK

FIG. 91

Plans/Drawings

Print The Following Plans And Drawings:

- ☒ Print Cross Section Views
- ☒ Print Cross Section
- ☒ Print Wall Section
- ☒ Print Overhang Detail
- ☒ Print Truss Detail
- ☒ Print Final Elevations
- ☒ Print Sliding Door Schematics
- ☒ Print Plyco Sliding Door Schematics

Options:

- ☒ Solid Estimate
- ☒ Include Subtotals On Materials List
- ☒ Include Grand Totals On Materials List
- ☒ Include Quantities On Materials List

Cancel OK

FIG. 92

[illegible]

FIG. 93


FIG. 94

FIG. 95

Construction Maestro version 2.0

planning made simple by Symun

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	X Y Z Lumber Co. 2300 Austins Parkway Flint, MI 48507 Business: 810-233-3226 Fax: 810-233-3227 Sales Associate: Ernie														
<p align="center"><u>Building Specifications</u></p> <table border="0"> <tr><td>Building Width</td><td>24 Ft.</td></tr> <tr><td>Building Length</td><td>24 Ft.</td></tr> <tr><td>Building Height</td><td>10 Ft.</td></tr> <tr><td>Eave Overhang</td><td>12 in.</td></tr> <tr><td>Gable Overhang</td><td>12 in.</td></tr> <tr><td>Pitch of Roof</td><td>4 in./12</td></tr> <tr><td>Style of Building</td><td>Pole Barn</td></tr> </table>		Building Width	24 Ft.	Building Length	24 Ft.	Building Height	10 Ft.	Eave Overhang	12 in.	Gable Overhang	12 in.	Pitch of Roof	4 in./12	Style of Building	Pole Barn
Building Width	24 Ft.														
Building Length	24 Ft.														
Building Height	10 Ft.														
Eave Overhang	12 in.														
Gable Overhang	12 in.														
Pitch of Roof	4 in./12														
Style of Building	Pole Barn														
<table border="0"> <tr><td>Customer Name</td><td>Jerry Jackson</td></tr> <tr><td>Customer Address</td><td>5522 W. Vienna Rd. Clio, MI 48420</td></tr> <tr><td>Customer Phone</td><td>Call 810.687.2211</td></tr> <tr><td>Estimate Number</td><td>114</td></tr> <tr><td>Date of Estimate</td><td>10/21/2002</td></tr> </table> <p align="right">This quote is good for 30 days.</p>		Customer Name	Jerry Jackson	Customer Address	5522 W. Vienna Rd. Clio, MI 48420	Customer Phone	Call 810.687.2211	Estimate Number	114	Date of Estimate	10/21/2002				
Customer Name	Jerry Jackson														
Customer Address	5522 W. Vienna Rd. Clio, MI 48420														
Customer Phone	Call 810.687.2211														
Estimate Number	114														
Date of Estimate	10/21/2002														

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Note: The reports, elevations, diagrams, and drawings included in this estimate are not architectural blueprints. The builder is responsible for structural integrity, proper usage of materials, and adhering to local building codes. Always be sure to verify the materials and drawing packet with your local building inspector, engineer, or architect. Every effort has been made to create accurate and detailed drawings and reports. However, due to the number of combinations of materials that can be used, there exists the possibility for errors. This packet is an estimate and should be reviewed by the builder before starting the project. Symun Systems, Inc. accepts no responsibility for engineering, building codes violations, or the structural integrity of the building.

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East Side Elevation

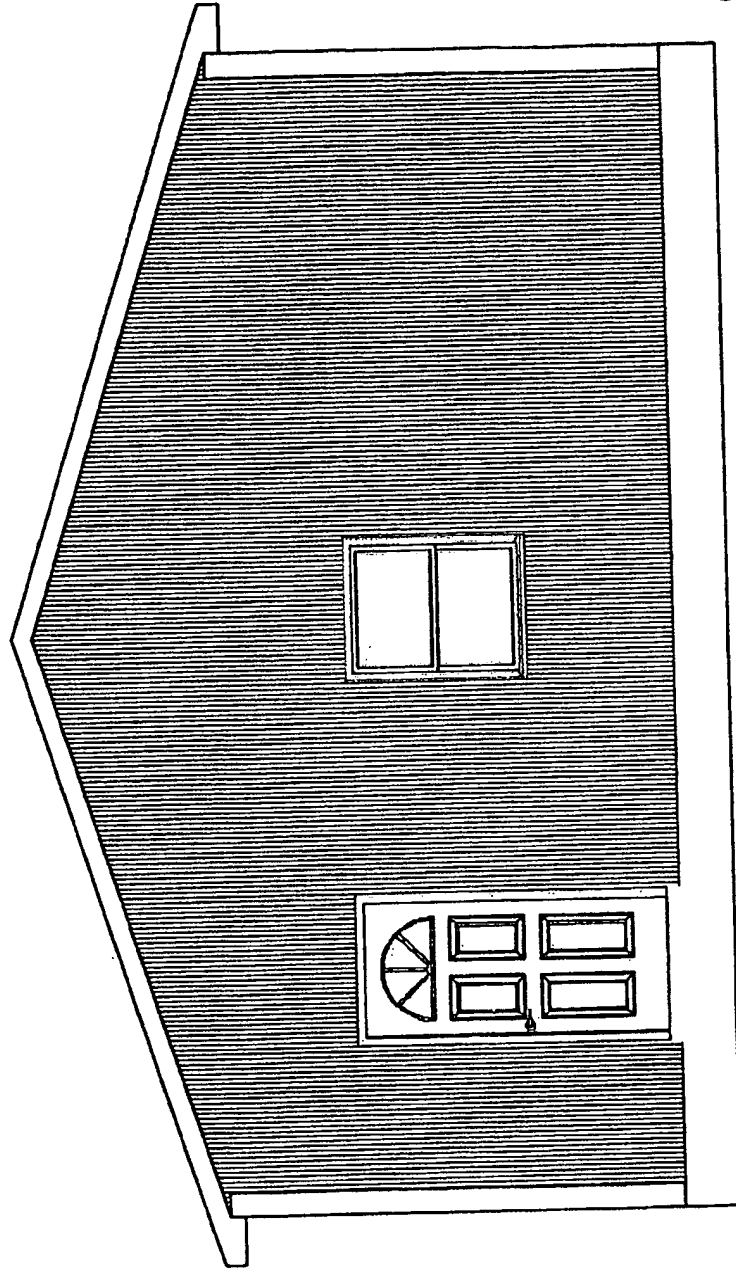


FIG. 96

West Side Elevation

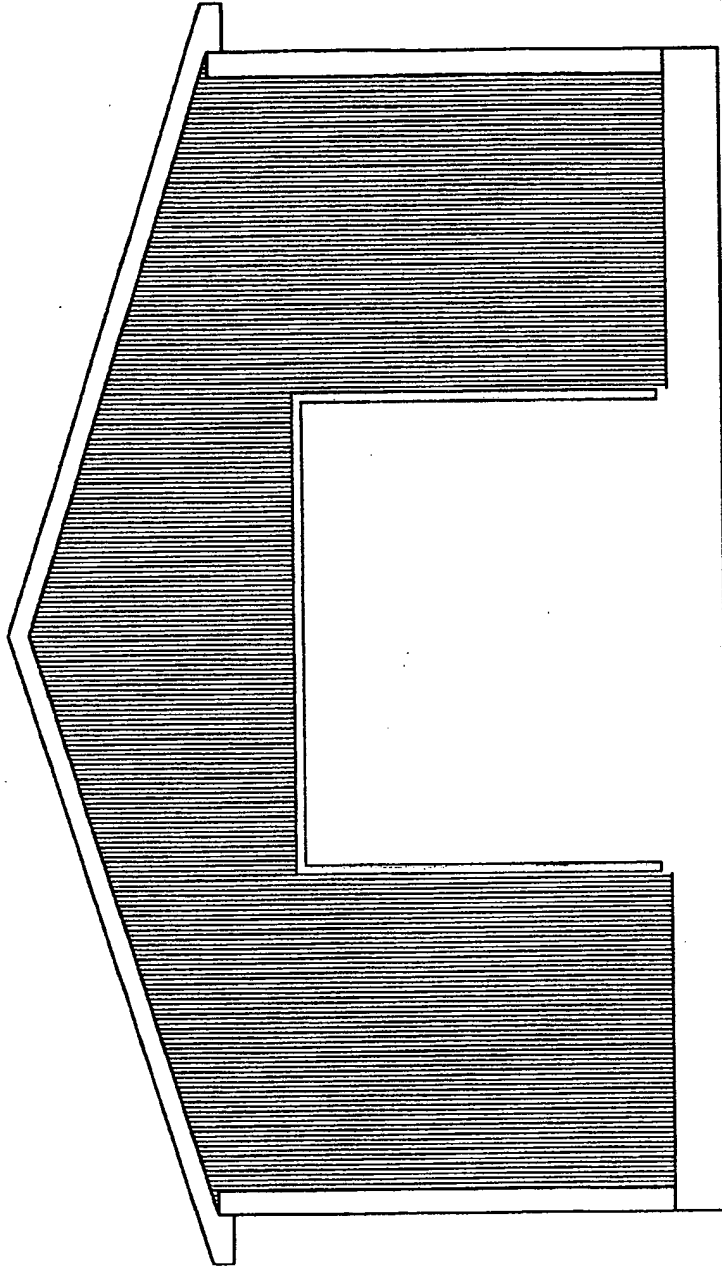


FIG. 97

(99

South Side Elevation

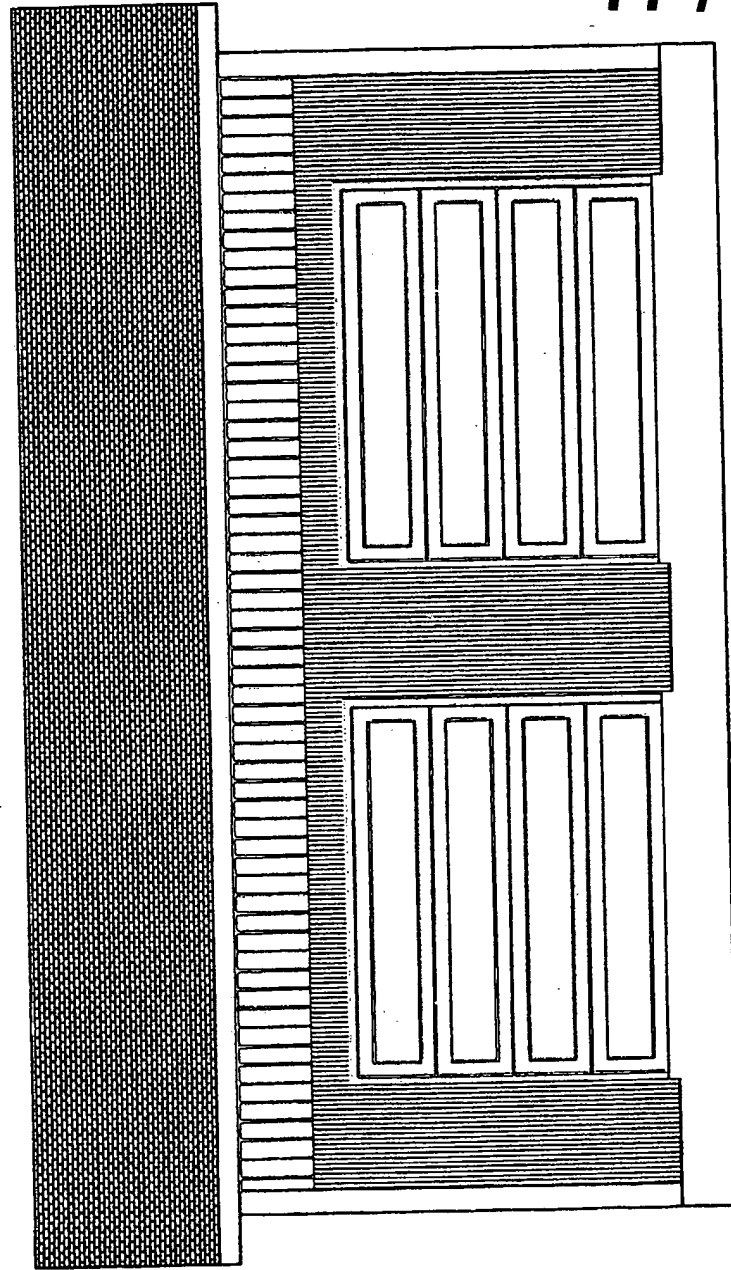


FIG. 98

200

North Side Elevation

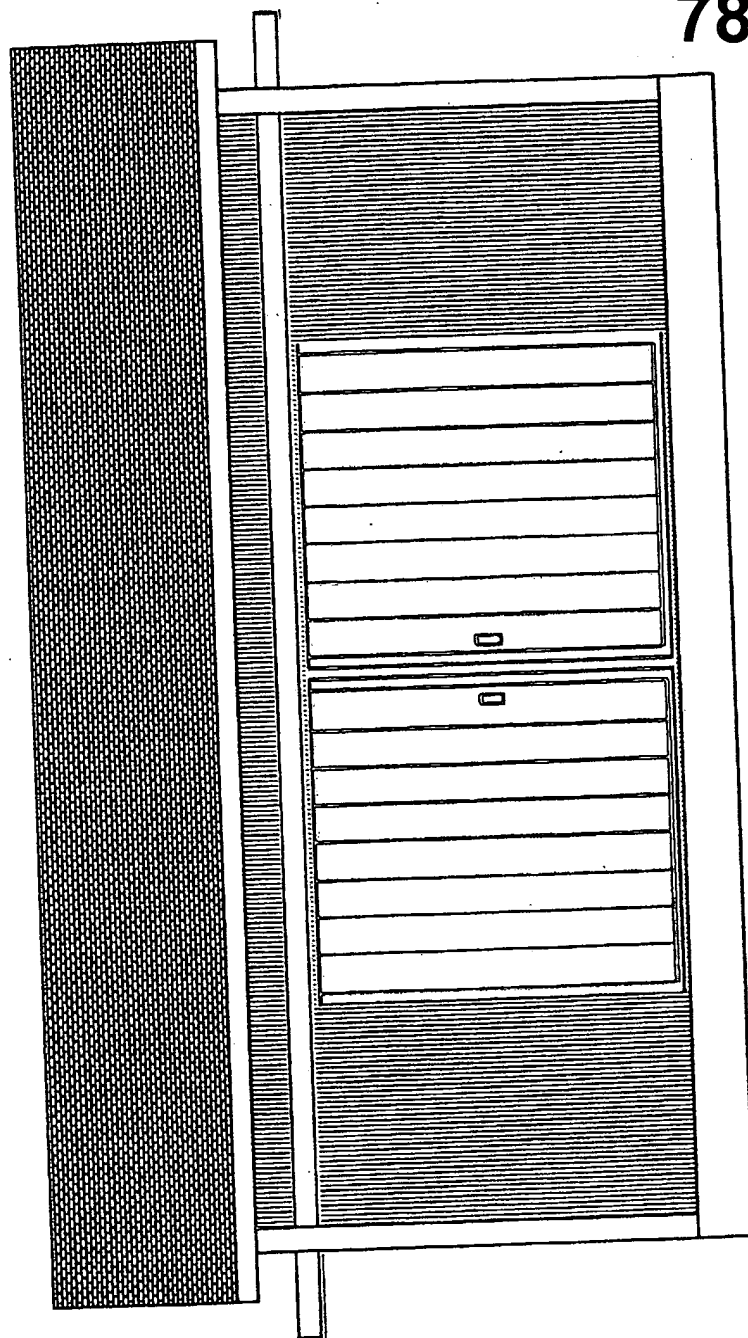


FIG. 99

201

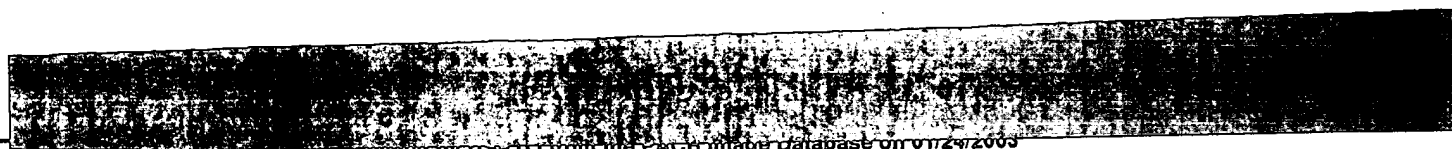
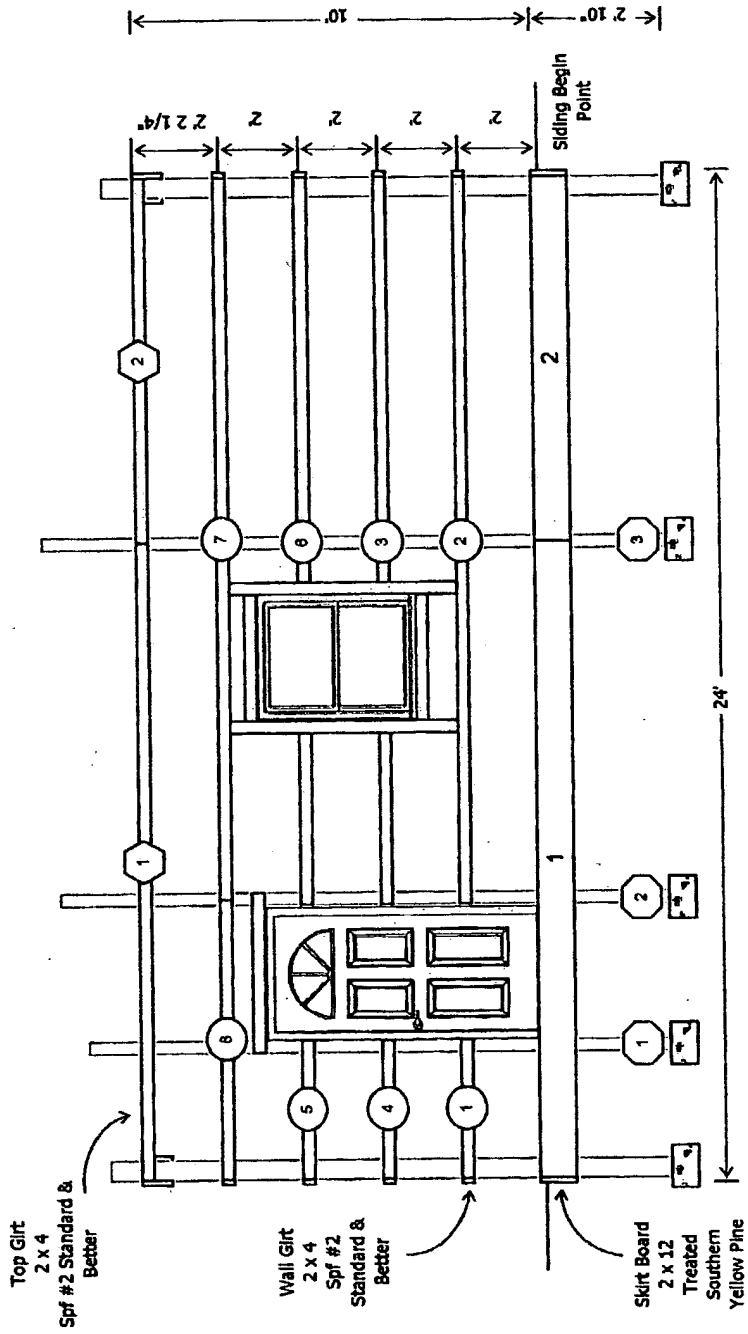
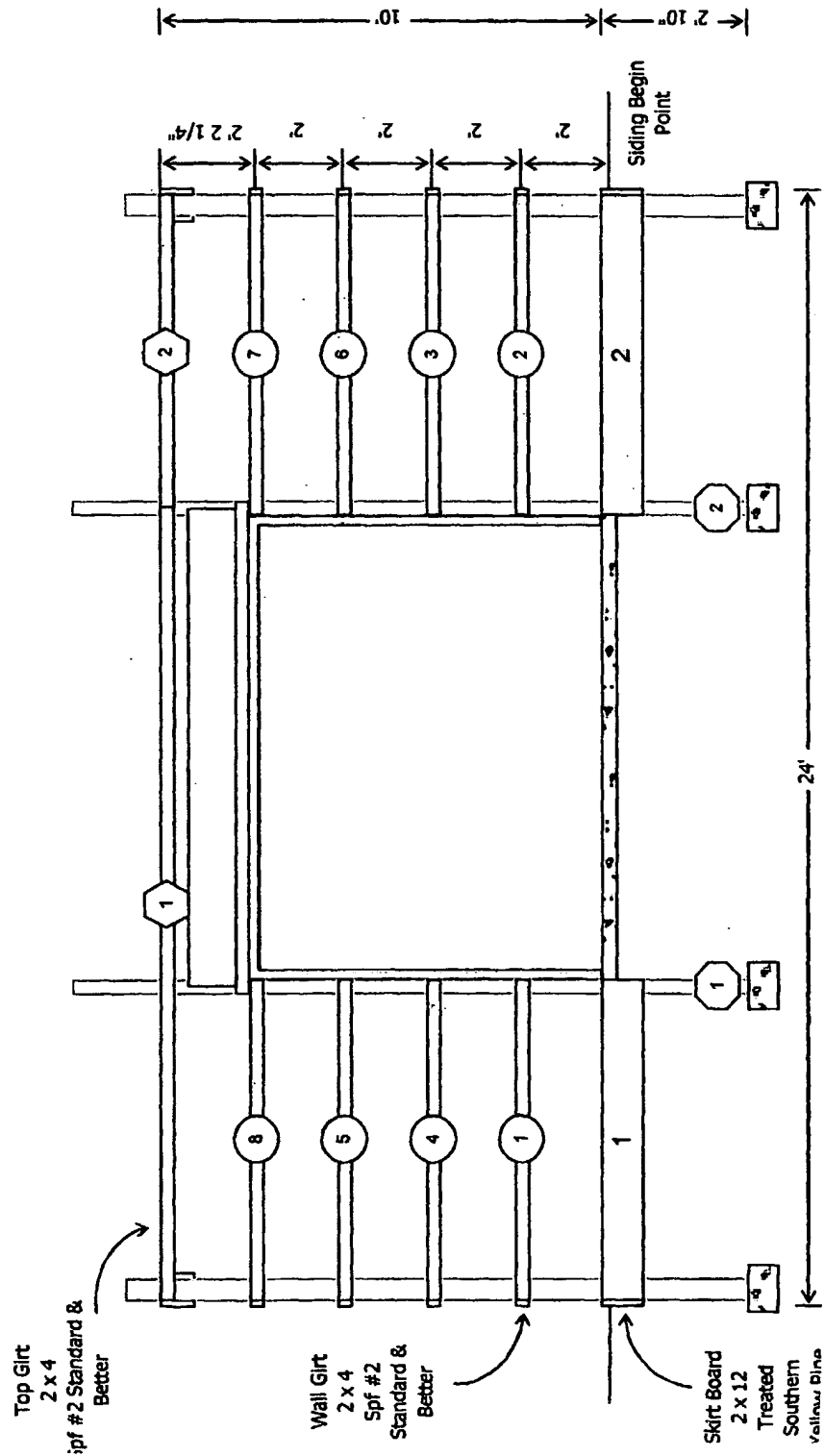


FIG. 100



West Side- Gable Side 2 Wall Girt View

FIG. 101



204

FIG. 102

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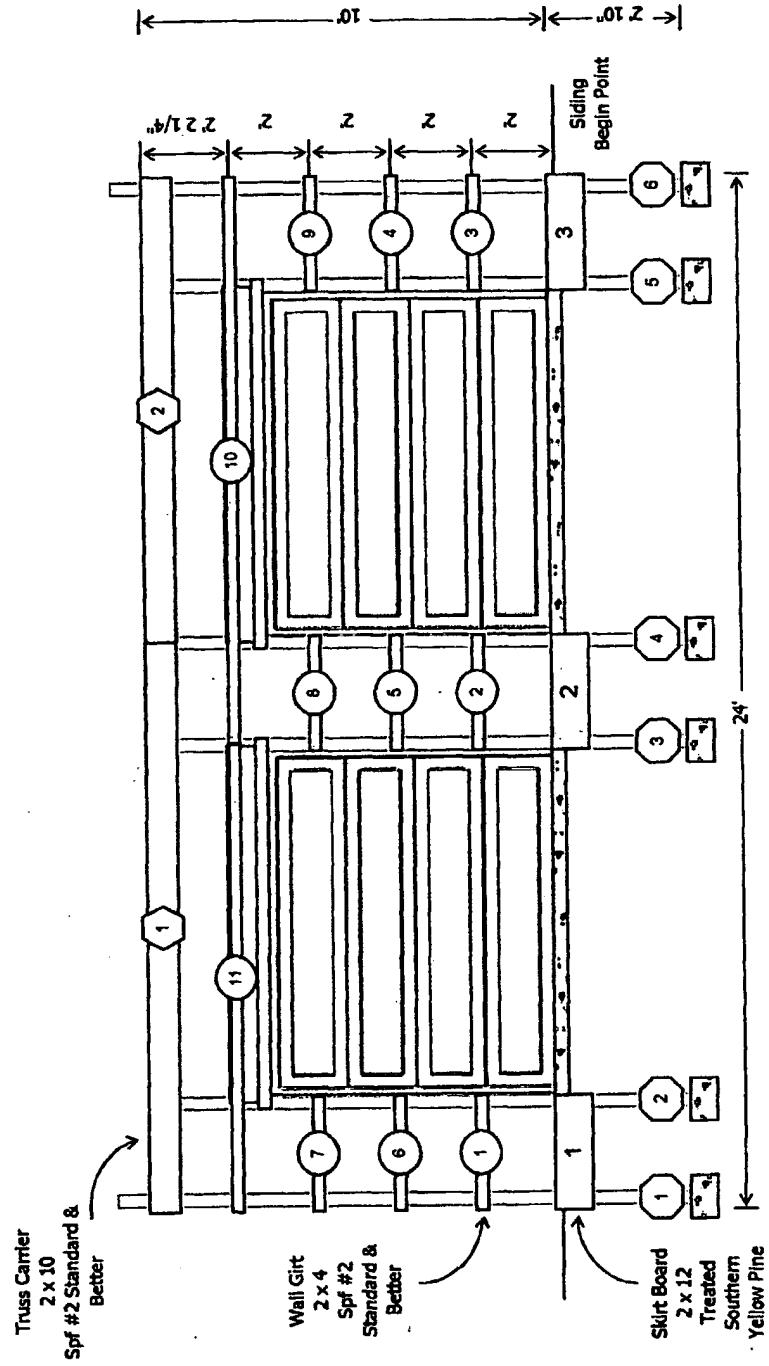
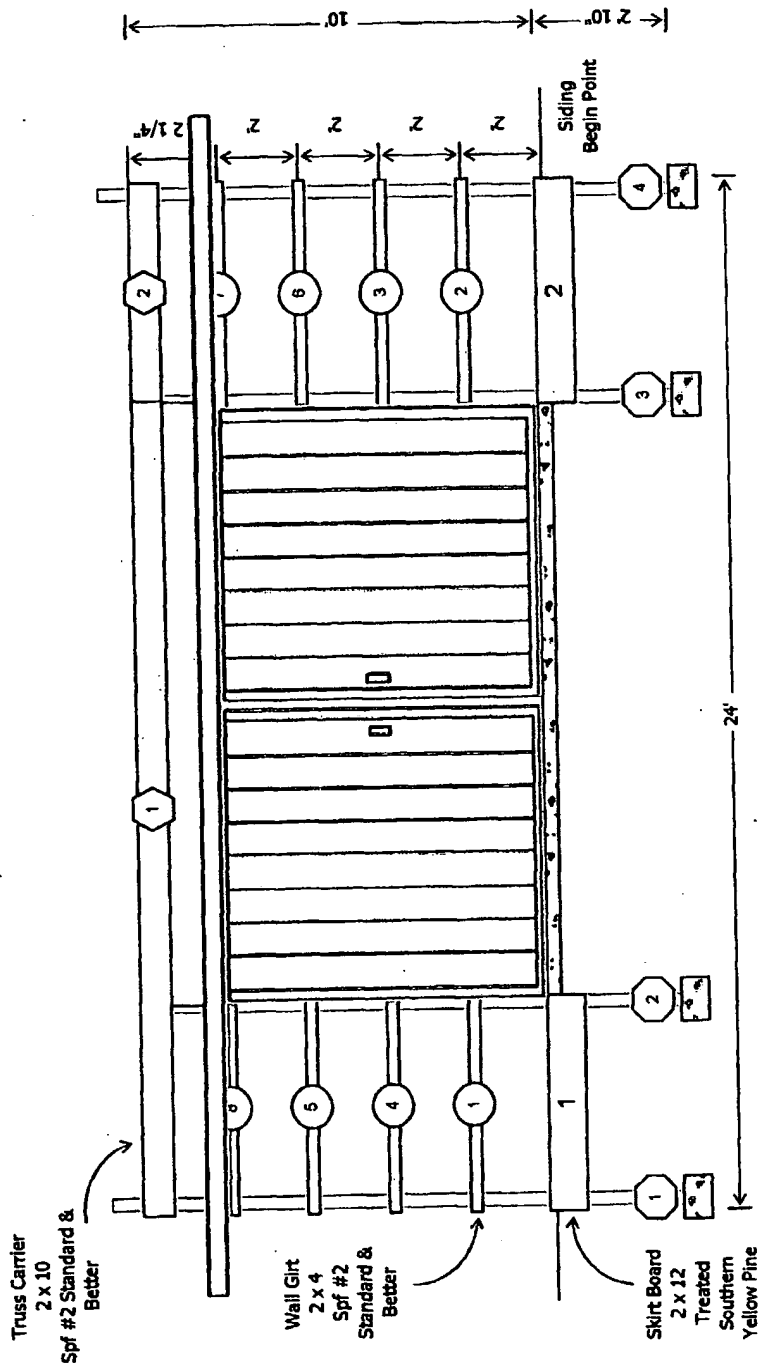
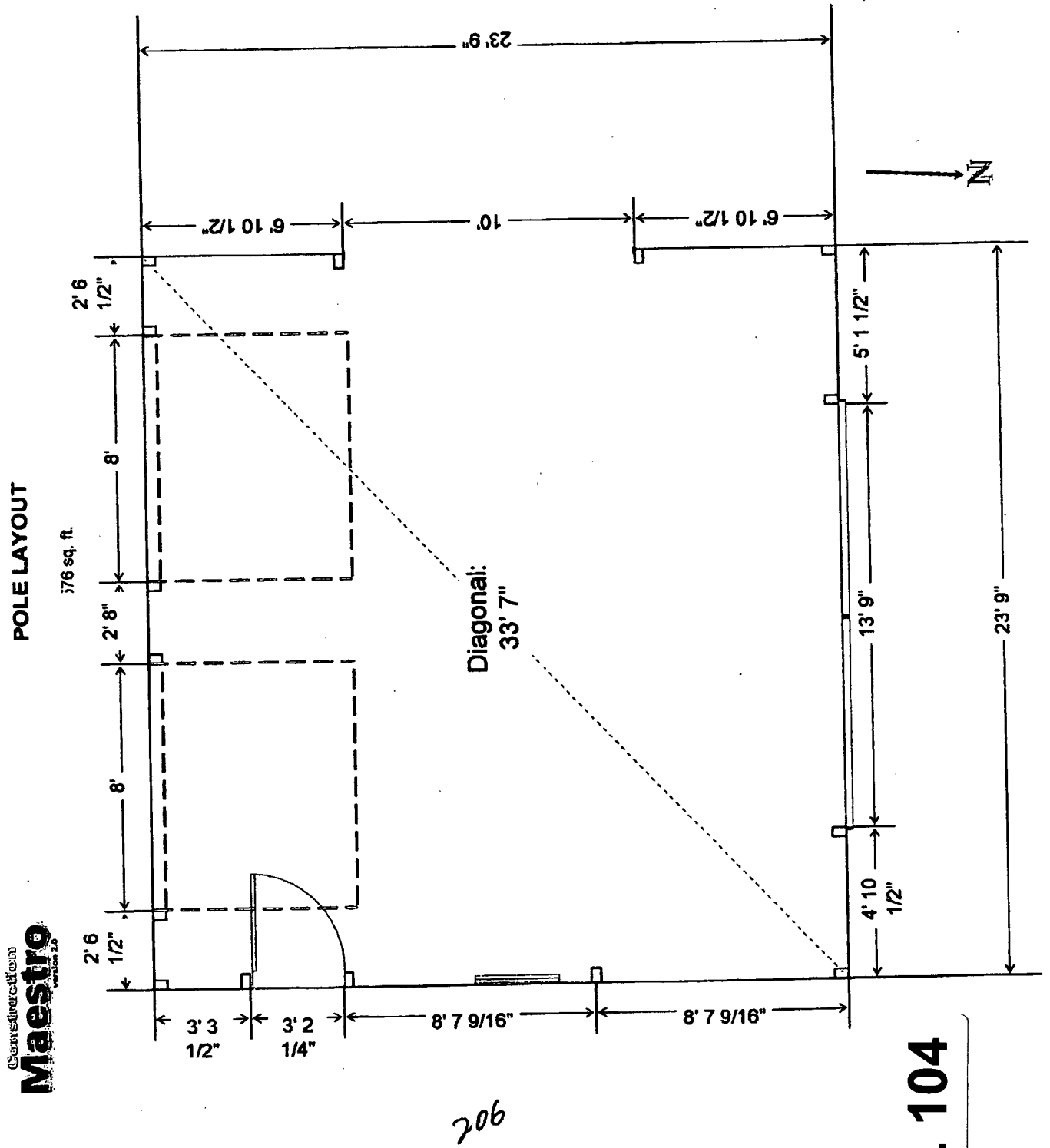


FIG. 103

205





TRUSS AND PURLIN LAYOUT

TRUSS
Bear Truss Co.
Width: 24'
Pitch: 4/12

FACIA
Spf #2 Standard &
Better
2 x 6

207

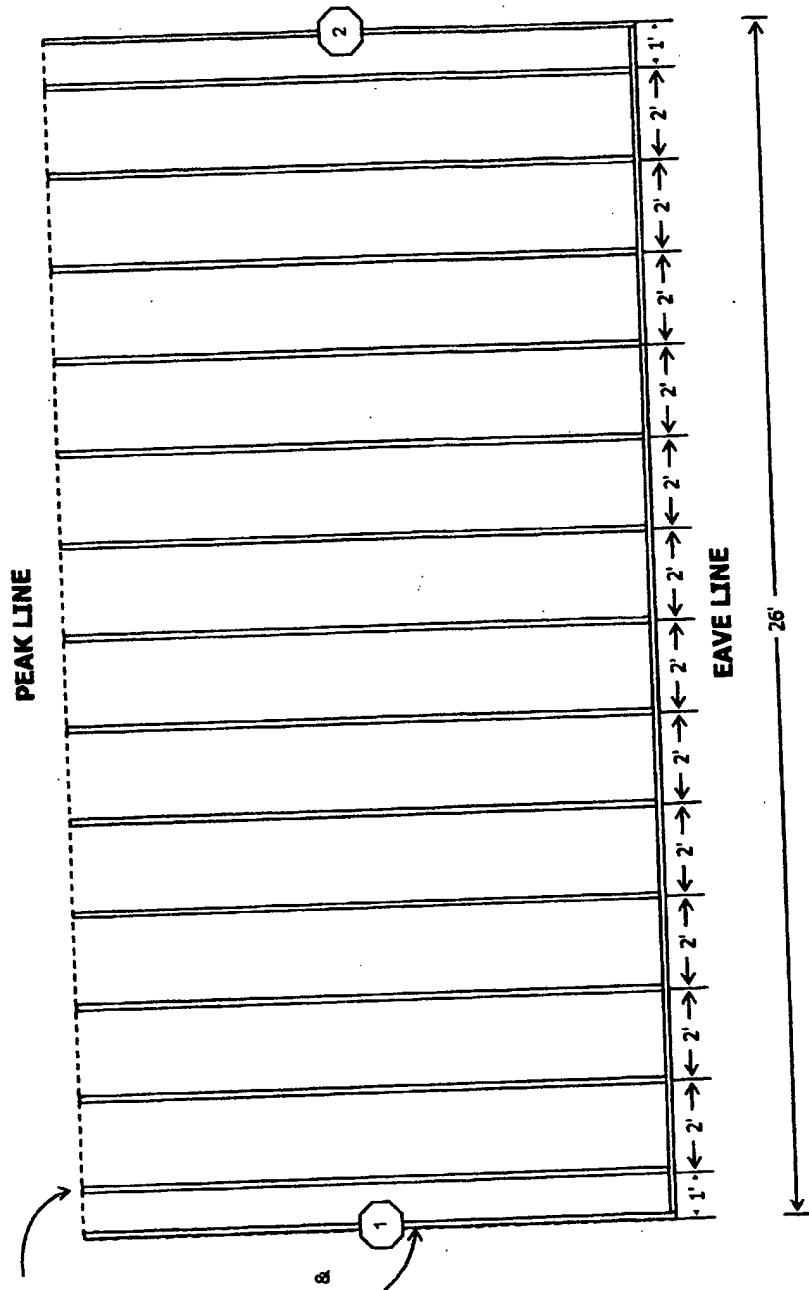
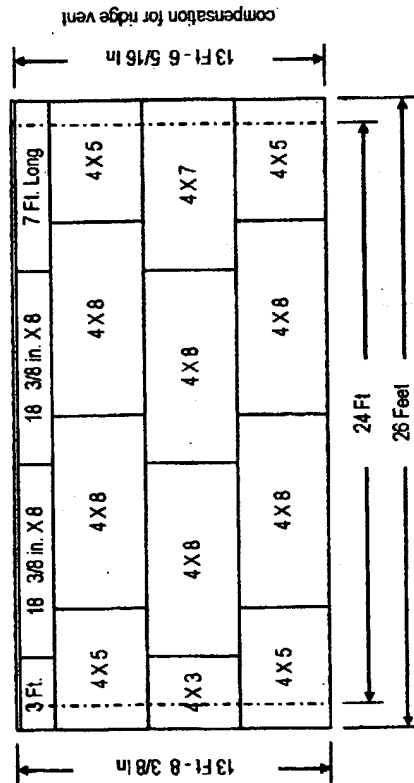


FIG. 105

PLYWOOD LAYOUT



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Estimate Number: 114

Customer Name: Jerry Jackson

Building Size: 24 ft. wide X 24 ft. long X 10 ft. tall

Pitch: 4 /12

Eave Overhang: 12 in. Gable Overhang: 12 in.

Truss Spacing: 24 in.

Top row starting piece is: 18 3/8 in. wide X 3 ft. long

Top row ending piece is: 18 3/8 in. wide X 7 ft. long

Beginning & odd row starter sheets are: 4 ft wide X 5 ft. long

2nd & even row starter sheets are: 4 ft wide X 3 ft. long

Beginning & odd row end sheets are: 4 ft. wide X 5 ft. long

2nd & even row end sheets are: 4 ft. wide X 7 ft. long

Number of sheets per side: 13 pcs.

FIG. 106

MASTER MATERIALS LIST



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QUANTITY	SKU	DESCRIPTION	COST @	TOTAL COST
BAGGED CEMENT				
15	C1099-4787	Redi-Mix Concrete 80 Lbs.	\$ 3.69	\$ 55.35
POLES				
6	8614	4 x 6 x 14 Treated Southern Yellow Pine	\$ 15.49	\$ 92.94
9	8616	4 x 6 x 16 Treated Southern Yellow Pine	\$ 19.29	\$ 173.61
RATWALL				
5	6128	2 x 12 Treated Southern Yellow Pine 8 Ft.	\$ 10.59	\$ 52.95
1	61210	2 x 12 Treated Southern Yellow Pine 10 Ft.	\$ 13.39	\$ 13.39
1	61216	2 x 12 Treated Southern Yellow Pine 16 Ft.	\$ 22.49	\$ 22.49
WALL IRT				
19	2496	2 x 4 Spf #2 Standard & Better 8 Ft.	\$ 1.75	\$ 33.25
2	2410	2 x 4 Spf #2 Standard & Better 10 Ft.	\$ 2.21	\$ 4.42
1	2412	2 x 4 Spf #2 Standard & Better 12 Ft.	\$ 2.88	\$ 2.88
1	2414	2 x 4 Spf #2 Standard & Better 14 Ft.	\$ 3.36	\$ 3.36
4	2418	2 x 4 Spf #2 Standard & Better 18 Ft.	\$ 5.34	\$ 21.36
TRUSS CARRIER EXTERIOR EAVE				
1	2108	2 x 10 Spf #2 Standard & Better 8 Ft.	\$ 5.13	\$ 5.13
1	21012	2 x 10 Spf #2 Standard & Better 12 Ft.	\$ 8.00	\$ 8.00
1	21014	2 x 10 Spf #2 Standard & Better 14 Ft.	\$ 11.43	\$ 11.43
1	21020	2 x 10 Spf #2 Standard & Better 20 Ft.	\$ 15.33	\$ 15.33
TOP GIRT EXTERIOR GABLE				
1	2496	2 x 4 Spf #2 Standard & Better 8 Ft.	\$ 1.75	\$ 1.75
1	2410	2 x 4 Spf #2 Standard & Better 10 Ft.	\$ 2.21	\$ 2.21
1	2416	2 x 4 Spf #2 Standard & Better 16 Ft.	\$ 3.99	\$ 3.99
1	2418	2 x 4 Spf #2 Standard & Better 18 Ft.	\$ 5.34	\$ 5.34
TRUSS CARRIER INTERIOR				

FIG. 107



MASTER MATERIALS LIST



QUANTITY	SKU	DESCRIPTION	COST @	TOTAL COST
1	2108	2 x 10 Spf #2 Standard & Better 8 Ft.	\$ 5.13	\$ 5.13
1	21012	2 x 10 Spf #2 Standard & Better 12 Ft.	\$ 8.00	\$ 8.00
1	21014	2 x 10 Spf #2 Standard & Better 14 Ft.	\$ 11.43	\$ 11.43
1	21020	2 x 10 Spf #2 Standard & Better 20 Ft.	\$ 15.33	\$ 15.33

TRUSS

Note: Tail Size: 10.5 In, Eave Overhang: 12 in. 24 in. O.C.
Bear Truss Co. 24' 4 1/2 Pitch

13 C1099-4905

\$ 40.00 \$ 520.00

TRUSS SEAT

2496 2 x 4 Spf #2 Standard & Better 8 Ft.
2418 2 x 4 Spf #2 Standard & Better 18 Ft.

\$ 1.75 \$ 5.25
\$ 5.34 \$ 16.02

LATERAL BRACING

2496 2 x 4 Spf #2 Standard & Better 8 Ft.
2418 2 x 4 Spf #2 Standard & Better 18 Ft.

\$ 1.75 \$ 5.25
\$ 5.34 \$ 16.02

TRUSS BLOCK

2616 2 x 6 Spf #2 Standard & Better 16 Ft.

\$ 6.32 \$ 12.64

FACIA STOCK

2696 2 x 6 Spf #2 Standard & Better 8 Ft.
2614 2 x 6 Spf #2 Standard & Better 14 Ft.
2620 2 x 6 Spf #2 Standard & Better 20 Ft.

\$ 2.98 \$ 5.96
\$ 5.04 \$ 20.16
\$ 8.50 \$ 17.00

DOOR HEADER

C1099 3.13 x 12 Glue Lam 9.25 Ft.
C1099-1405 3.13 x 16.5 Glue Lam 18.75 Ft.

\$ 91.80 \$ 183.60
\$ 239.78 \$ 479.56

WINDOW FRAMING

2496 2 x 4 Spf #2 Standard & Better 8 Ft.

\$ 1.75 \$ 3.50

FIG. 108

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MASTER MATERIALS LIST



QUANTITY	SKU	DESCRIPTION	COST @	TOTAL COST
POLE BRACING				
23	2416	2 x 4 Spf #2 Standard & Better 16 Ft.	\$ 3.99	\$ 91.77
WALL LAYER 1				
297.5 LF	C1099-1105	Metal Sides Classic Rib Steel Siding- Color: Red	\$ 1.65	\$ 490.88
ADDITIONAL STEEL PANEL FOR SLIDER				
8 LF	C1099-1105	Eave2: 1 14W x 8H Split Slider	\$ 1.65	\$ 13.20
TRANSLUCENT PANELS				
2 pcs	C1099-59	For: Eave1 White Classic Rib Pattern - 10 ft. 0 in. 0 % waste per panel	\$ 21.79	\$ 43.58
WALL STEEL ACCESSORIES				
15 pcs.	C1099-1921	Brile White J-Channel 12 ft 0 in	\$ 3.50	\$ 52.50
3 pcs.	C1099-2183	Brile White Drip Cap 12 ft 0 in	\$ 3.35	\$ 10.05
6 pcs.	C1099-2235	Red Rat Guard 12 ft 0 in	\$ 5.62	\$ 33.72
4 pcs.	C1099-1988	Brile White Double Angle 12 ft 0 in	\$ 3.50	\$ 14.00
4 pcs.	C1099-2097	Brile White Outside Corner/Gable Trim 12 ft 0 in	\$ 9.33	\$ 37.52
2 pcs.	C1099-2292	Brile White 5 1/2 Post Trim 12 ft 0 in For Eave1 Door # 1	\$ 5.65	\$ 11.30
2 pcs.	C1099-2292	Brile White 5 1/2 Post Trim 12 ft 0 in For Eave1 Door # 2	\$ 5.65	\$ 11.30
ROOF LAYER 1				
26	86518	7/16 - 4 x 8 Oriented Strand Board	\$ 4.99	\$ 129.74
ROOF LAYER 2				
2 rolls	90051	#15 Warrior Brand Felt	\$ 8.29	\$ 16.58
ROOF LAYER 3				
22 bdls.	C1099-4855	Owens Corning Classic Weathered Wood	\$ 3.00	\$ 66.00

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FIG. 109

(211)

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MASTER MATERIALS LIST



QUANTITY	SKU	DESCRIPTION	COST @	TOTAL COST
<u>PLY CLIPS</u> 104 pcs	220921	Kant-Sag Steel Ply-Clips (Sold by: Piece)	\$ 0.10	\$ 10.40
<u>ROOF CAP</u> 1 bdls.	C1099-4855	Owens Corning Classic Weathered Wood	\$ 3.00	\$ 3.00
<u>ALUMINUM DRIP EDGE</u> 11 pcs.	C1099	White Wide Faced 10 ft Aluminum Drip Edge	\$ 3.29	\$ 36.19
<u>ROOF VENTS</u> 2 rolls	90050	O.C. Vent Sure Roll Type Ridge Vent 20 ft	\$ 39.99	\$ 79.98
<u>FACIA & SOFFIT MATERIALS</u> 11 pcs.	18003	Amerimax White Aluminum Facia 6 in in x 12 ft x 0 in	\$ 7.99	\$ 87.89
<p><u>Soffit Installation (Vented Vrs. Solid) Ratios:</u> Eave Sides: For Every 4 Solid Panels Installed, Use 1 Vented Panel. Gable Sides: Use All Solid Panels.</p>				
8 pcs.	18001	White Aluminum Soffit 12 in x 12 ft x 0 in Solid (per Pc.)	\$ 8.99	\$ 71.92
1 pcs.	18002	White Aluminum Soffit 12 in x 12 ft x 0 in Perforated Panel (per Pc.)	\$ 8.99	\$ 8.99
10 pcs.	18006	White Aluminum FChannel 12 ft x 0 in	\$ 4.29	\$ 42.90
<u>OVERHEAD DOORS</u> 2	6787	9100 White Torque Master 8' 0" x 7' 0"	\$ 287.00	\$ 574.00
<u>SERVICE DOORS & LOCKSETS</u> 1	2118	3/0 C S 255	\$ 154.00	\$ 154.00
1 pc	221345	Quality Craft Entry - Brass	\$ 7.69	\$ 7.69

FIG. 110

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2084

MASTER MATERIALS LIST



QUANTITY	SKU	DESCRIPTION	COST @	TOTAL COST
WINDOWS				
1	2284	P S H 3040 Wh. Vinyl S/H W/Screen	\$ 95.85	\$ 95.85
14W x 8H Split Slider				
2 ent	711055	9 1/2" Delrin 4-Way Adj. Offset Bolt 711055	\$ 38.00	\$ 76.00
1 ent	711117	Bracketrack System Rail-Face Mount 8 ft	\$ 30.00	\$ 30.00
2 ent	711118	Bracketrack System Rail-Face Mount 10 ft	\$ 35.00	\$ 70.00
2 ent	848514	Rail End Cap	\$ 1.00	\$ 2.00
2 ent	724304	#200 B White Vertical Side Rail 10 ft	\$ 18.00	\$ 36.00
2 ent	724324	#216 B White Not Punched Double Couple 10 ft	\$ 20.00	\$ 40.00
2 ent	724828	#210 Bottom Rail 14 ft	\$ 28.00	\$ 56.00
1 ent	724576	Stay Guide 2 10 ft	\$ 15.00	\$ 15.00
1 ent	643411	Heavy Duty Door Stop	\$ 15.00	\$ 15.00
2 ent	651403	Galvanized Adjustable Wind Stop	\$ 15.00	\$ 30.00
2 ent	654501	Zinc Plated Door Pull	\$ 15.00	\$ 30.00
2 ent	711504	Cam Latch	\$ 15.00	\$ 30.00
1 ent	714359	Center Stop	\$ 15.00	\$ 15.00
1 ent	643404	Door Snuggler	\$ 15.00	\$ 15.00
3 ent	C1099-2585	Metal Sales Cannonball Track Cover	\$ 6.89	\$ 20.67
3 ent	C1099-2538	Metal Sales Post Trim	\$ 5.65	\$ 16.95
2 ent	465101	Round Splice Collar	\$ 2.00	\$ 4.00
1 ent	2696	Track Board: 2 x 6 x 8 Spf #2 Standard & Better	\$ 2.98	\$ 2.98
1 ent	2620	Track Board: 2 x 6 x 20 Spf #2 Standard & Better	\$ 8.50	\$ 8.50
1 ent	286	Track Support: 2 x 8 x 8 Spf #2 Standard & Better	\$ 3.84	\$ 3.84
1 ent	2820	Track Support: 2 x 8 x 20 Spf #2 Standard & Better	\$ 12.59	\$ 12.59
4 ent	2414	Girts: 2 x 4 x 14 Spf #2 Standard & Better	\$ 3.36	\$ 13.44
WEATHERSTRIPPING				
2	409490	White Overhead Door Weatherstrip 7 ft	\$ 5.89	\$ 11.78
2	C1099-5004	White Overhead Door Weatherstrip 8 ft	\$ 11.00	\$ 22.00

FASTENERS, Aluminum Facia, Aluminum Soffit

FIG. 111

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MASTER MATERIALS LIST



QUANTITY	SKU	DESCRIPTION	COST @	TOTAL COST
2 box	C1098-2449	White 1 1/4" Alum. Trim Nails	\$ 6.95	\$ 13.90
FASTENERS, Steel Wall Trim				
3 box	C1099-3155	Metal Sales Brite White 2 1/2" Neoprene Siding Screws	\$ 18.75	\$ 56.25
FASTENERS, Wall Layer 1 Steel Siding				
5 box	C1099-3164	Metal Sales Red 2 1/2" Neoprene Siding Screws	\$ 18.75	\$ 93.75
FASTENERS, Roof Layer 2 Felt				
1 pkg	217100	3/8" T50 506 Arrow Staples	\$ 3.49	\$ 3.49
FASTENERS, Roof Layer 3 Shingles				
3 box	80414	5 Lb. Box 3G 1 1/4" Galv H.D. Roofing Nails	\$ 5.99	\$ 17.97
FASTENERS, Truss				
1 box	80187	5 Lb. Box 3G 16D C.C. Sinkers	\$ 4.99	\$ 4.99
FASTENERS, Ratwall				
1 box	80102	5 Lb. Box 3G 16D Galv. Spiral Nails	\$ 6.99	\$ 6.99
FASTENERS, Wall Girt				
2 box	80300	5 Lb. Box 3G 16D Stiff Polebarn Nails	\$ 6.99	\$ 13.98
FASTENERS, Top Girt Exterior, Top Girt Interior				
11 lb	C1099-4828	3G 60D Stiff Polebarn Nails	\$ 1.79	\$ 19.69
FASTENERS, Roof Layer 1 Plywood or OSB				
2 box	80184	5 Lb. Box 3G 8D C.C. Sinkers	\$ 4.99	\$ 9.98
MISCELLANEOUS ITEMS				
1	712136	Cannonball: H N P Cover Retainer Bracket 712136	\$ 2.00	\$ 2.00
SUBTOTAL:				\$4,880.72

FIG. 112

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MASTER MATERIALS LIST



QUANTITY	SKU	DESCRIPTION	COST @	TOTAL COST
TAX:				
GRAND TOTAL:				\$291.84
				\$5,152.38

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FIG. 113

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MASTER MATERIALS LIST



QUANTITY	SKU	DESCRIPTION	COST @	TOTAL COST
CEMENT, SPREAD FOOTING				
0.89 yds		Concrete		
CEMENT, SLAB				
1.78 yds		Concrete per inch thickness		
TRUSS				
13	C1098-4905	Note: Tail Size: 10.5 In, Eave Overhang: 12 in. 24 in. O.C. Bear Truss Co. 24' 4/12 Pitch	\$ 40.00	\$ 520.00
TRUSS SEAT				
3	2496	2 x 4 Spf #2 Standard & Better 8 Ft.	\$ 1.75	\$ 5.25
3	2418	2 x 4 Spf #2 Standard & Better 18 Ft.	\$ 5.34	\$ 16.02
LATERAL BRACING				
3	2496	2 x 4 Spf #2 Standard & Better 8 Ft.	\$ 1.75	\$ 5.25
3	2418	2 x 4 Spf #2 Standard & Better 18 Ft.	\$ 5.34	\$ 16.02
FACIA STOCK				
2	2696	2 x 6 Spf #2 Standard & Better 8 Ft.	\$ 2.98	\$ 5.96
4	2614	2 x 6 Spf #2 Standard & Better 14 Ft.	\$ 5.04	\$ 20.16
2	2620	2 x 6 Spf #2 Standard & Better 20 Ft.	\$ 8.50	\$ 17.00
DOOR HEADER				
2	2696	2 x 6 Spf #2 Standard & Better 8 Ft.	\$ 2.98	\$ 5.96
STUD BRACING				
12	2416	2 x 4 Spf #2 Standard & Better 16 Ft.	\$ 3.99	\$ 47.88
STUDS				
78	2492	2 x 4 Spf #2 Standard & Better 7.72 Ft.	\$ 1.66	\$ 129.48

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FIG. 114

SPECIAL ORDER MATERIALS LIST



QUANTITY	SKU	DESCRIPTION	ORDER CODE	COST @
13	C1099-4905	Bear Truss Co. 24' 4/12 Pitch		\$ 40.00
1	2118	3/0 C S 255		\$ 154.00
SERVICE DOORS & LOCKSETS				
14W x 8H Split Slider				
2 cnt	711055	9 1/2" Delrin 4-Way Adj. Offset Bolt 711055		\$ 38.00
1 cnt	711117	Bracketrack System Rail-Face Mount 8 ft		\$ 30.00
2 cnt	711118	Bracketrack System Rail-Face Mount 10 ft		\$ 35.00
2 cnt	646514	Rail End Cap		\$ 1.00
2 cnt	724304	#200 B White Vertical Side Rail 10 ft		\$ 18.00
2 cnt	724324	#216 B White Not Punched Double Couple 10 ft		\$ 20.00
1 cnt	724828	#210 Bottom Rail 14 ft		\$ 28.00
1 cnt	724576	Stay Guide 2 10 ft		\$ 20.00
2 cnt	643411	Heavy Duty Door Stop		\$ 15.00
2 cnt	651403	Galvanized Adjustable Wind Stop		\$ 15.00
2 cnt	654501	Zinc Plated Door Pull		\$ 15.00
2 cnt	711504	Cam Latch		\$ 15.00
1 cnt	714359	Center Stop		\$ 15.00
1 cnt	643404	Door Snuggler		\$ 15.00
3 cnt	C1099-2585	Metal Sales Cannonball Track Cover	42703-39	\$ 6.89
3 cnt	C1099-2538	Metal Sales Post Trim	42464-39	\$ 5.85
2 cnt	465101	Round Splice Collar		\$ 2.00
TOTAL ITEMS:				19
TOTAL PIECES:				45

FIG. 115

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Construction
Maestro
version 2.0

LUMBER CUT LIST

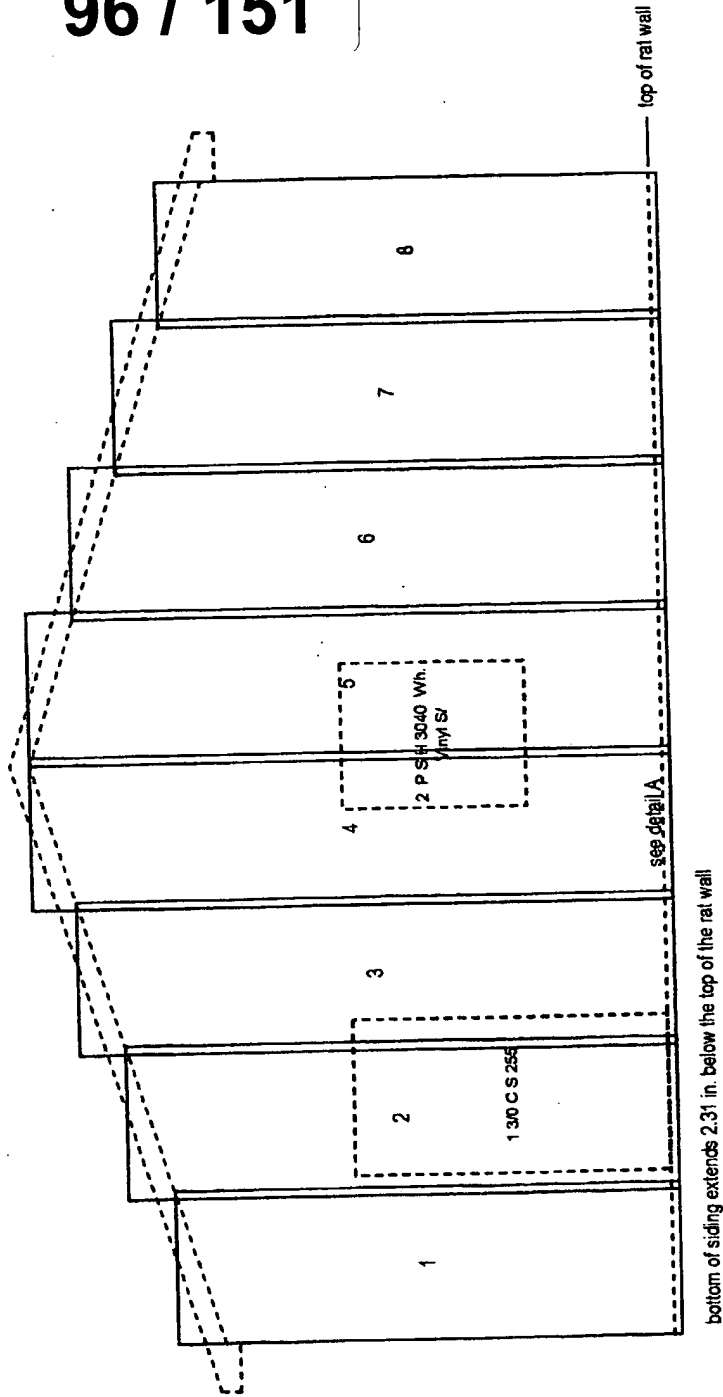
XYZ
Lumber Co.

Number	Scrap Board Number	Size	Species	Cut Length	Original Length
<u>East Side-Gable Side 1</u>					
<u>P les</u>					
1		4 x 6	Treated Southern Yellow Pine		16
2		4 x 6	Treated Southern Yellow Pine		16
3		4 x 6	Treated Southern Yellow Pine		16
<u>Ratwall</u>					
1		2 x 12	Treated Southern Yellow Pine	15' 1 7/16"	16'
2		2 x 12	Treated Southern Yellow Pine	8' 7 5/8"	10'
<u>Top Girt Exterior</u>					
1		2 x 4	Spf #2 Standard & Better	15' 1 7/16"	16'
2		2 x 4	Spf #2 Standard & Better	8' 7 5/8"	10'
<u>Wall Girts</u>					
1 Eave	2 8	2 x 4	Spf #2 Standard & Better	3' 3 7/16"	0'
2		2 x 4	Spf #2 Standard & Better	17' 3 3/16"	18'
3		2 x 4	Spf #2 Standard & Better	17' 3 3/16"	18'
4		2 x 4	Spf #2 Standard & Better	3' 3 7/16"	8'
5 Gable	1 4	2 x 4	Spf #2 Standard & Better	3' 3 7/16"	0'
6		2 x 4	Spf #2 Standard & Better	17' 3 3/16"	18'
7		2 x 4	Spf #2 Standard & Better	17' 1 1/2"	18'
8		2 x 4	Spf #2 Standard & Better	6' 7 1/2"	8'
<u>OPENINGS</u>					
<u>P S H 3040 Wh. Vinyl S/H W/Screen Window Support</u>					
1		2 x 4	Spf #2 Standard & Better	5' 8 1/2"	8'

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FIG. 116

East Side-Gable Side 1 Steel Layout



724

FIG. 117

West Side-Gable Side 2 Steel Layout

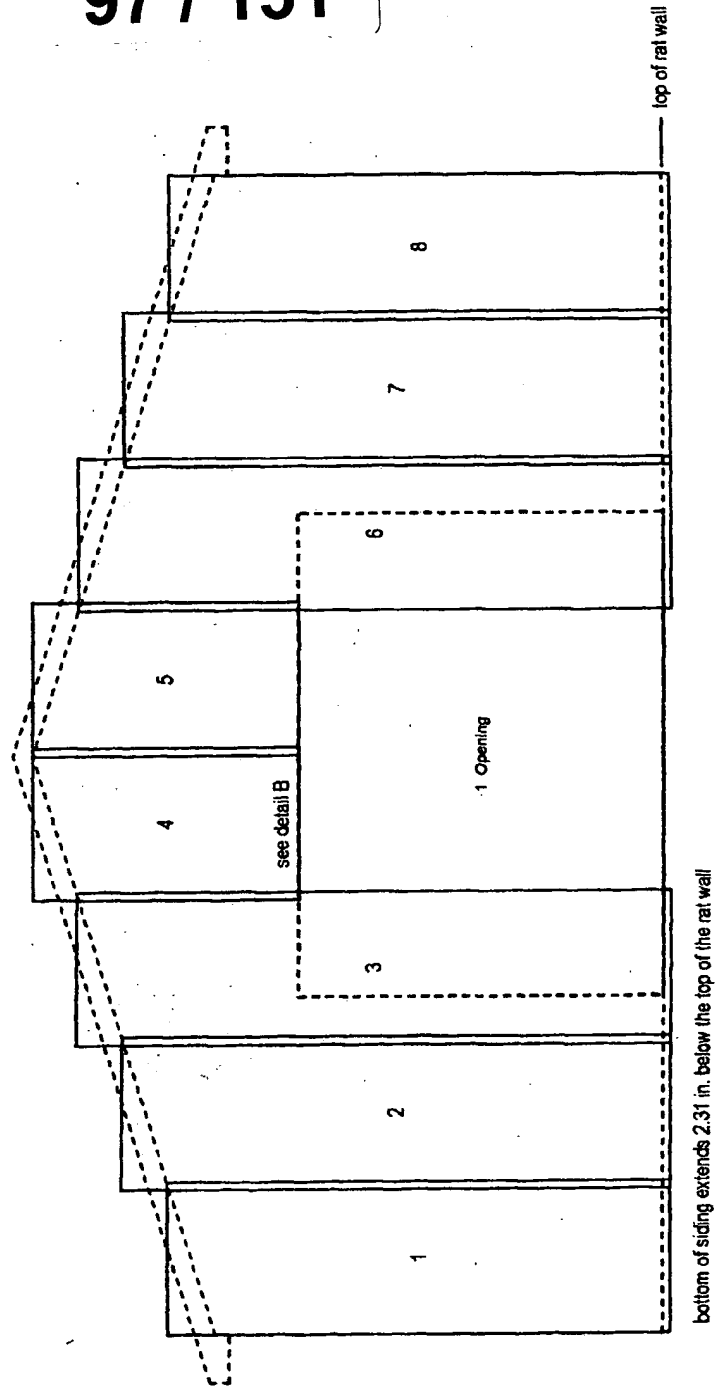
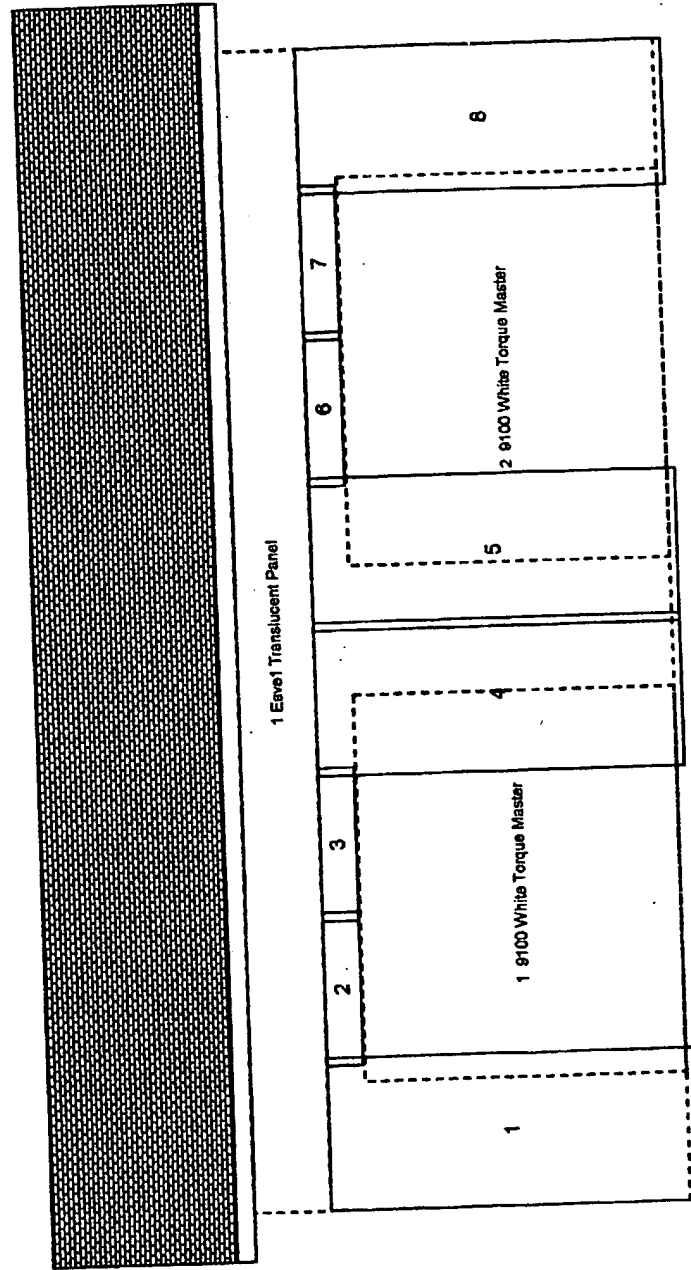


FIG. 118

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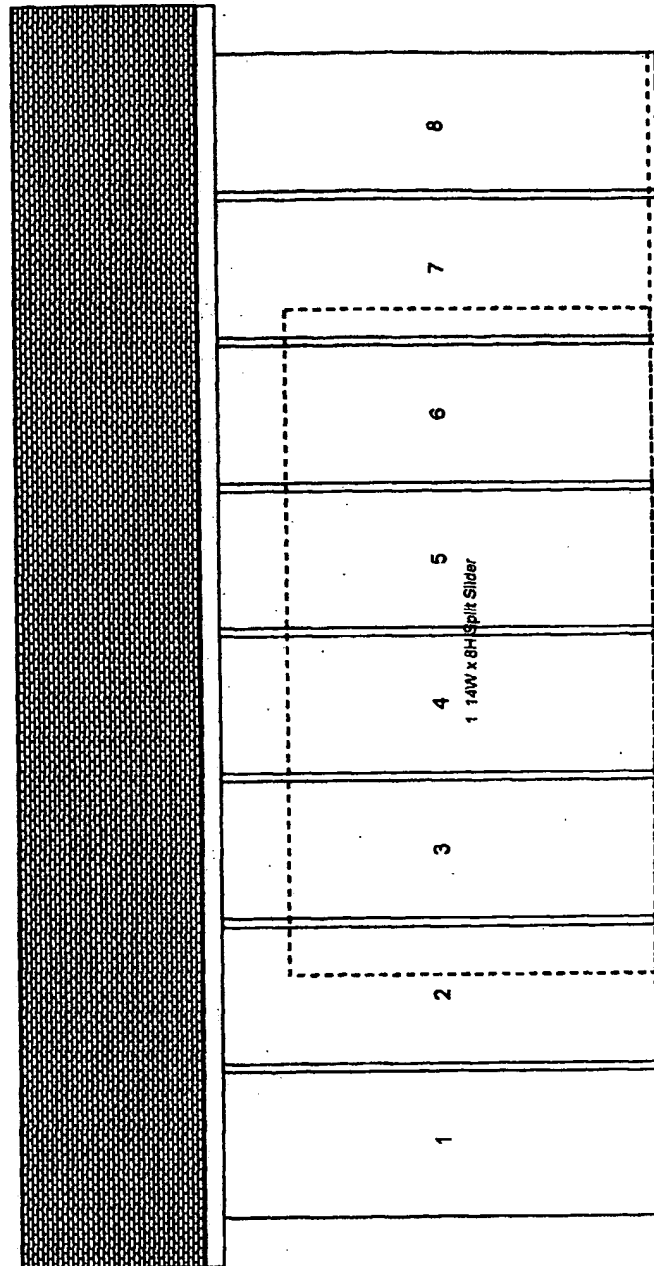
South Side-Eave Side 1 Steel Layout



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FIG. 119

North Side-Eave Side 2 Steel Layout



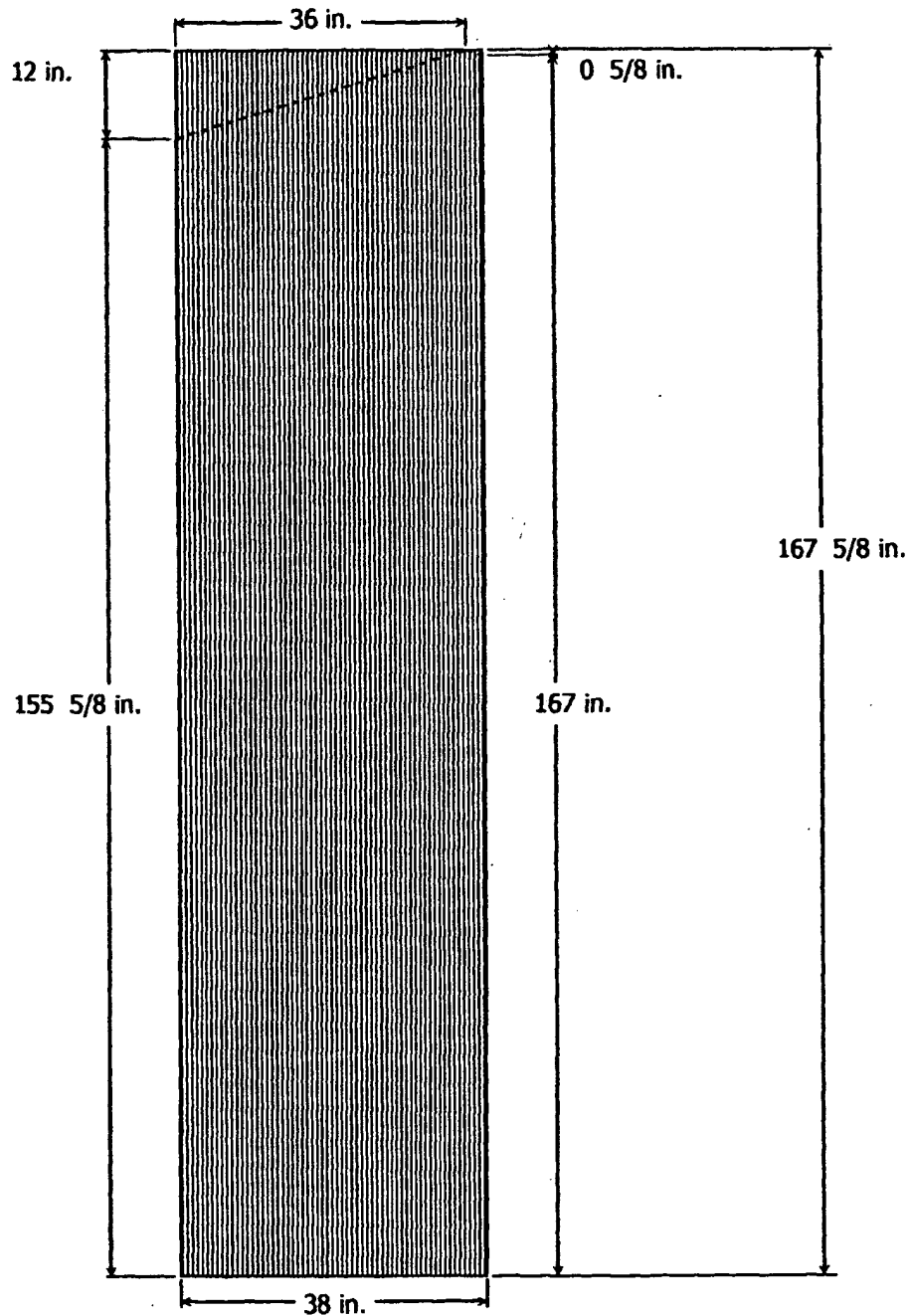
227

FIG. 120

DETAIL A

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Panel # 4 on East Side-Gable Side 1



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FIG. 121

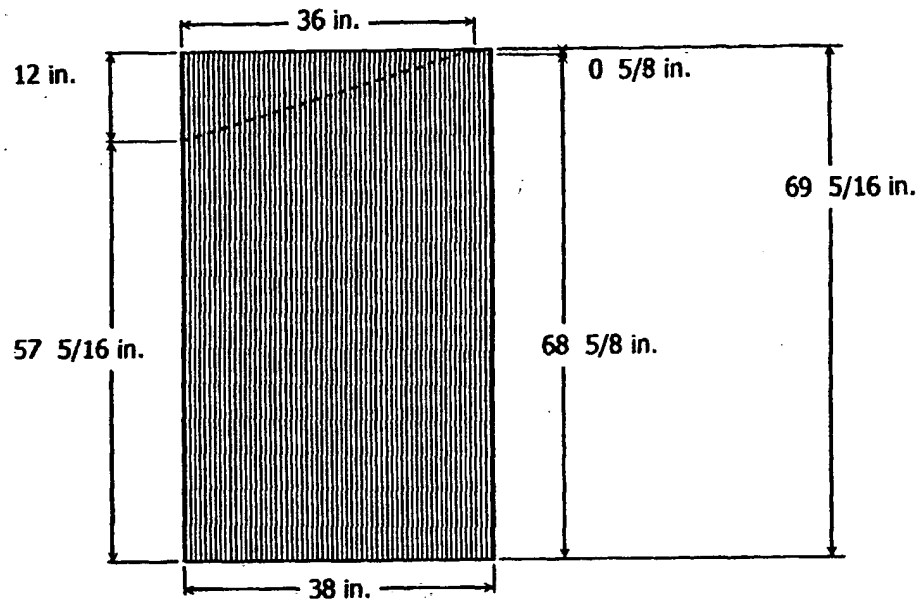
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Construction
Maestro
version 2.0

DETAIL B

Panel # 4 on West Side-Gable Side 2

XYZ 
Lumber Co.



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FIG. 122

Construction		metal sales		MS				
Maestro		STEEL PANEL LAYOUT						
version 2.0								
Panel Number	Width	Height	GABLE ONLY		PEAK ONLY			
			Low Side	High Side	Lap Side	Opposite of Lap Side Horizontal From Lap End To High Point		
METAL SIDING								
South Side-Eave Side 1								
1	38 in	96 in.						
2	38 in	9 11/16 in						
3	38 in	9 11/16 in						
4	38 in	96 in.						
5	38 in	96 in.						
6	38 in	9 11/16 in						
7	38 in	9 11/16 in						
8	36 in	96 in.						
North Side-Eave Side 2								
1	38 in	116 in.						
2	38 in	116 in.						
3	38 in	116 in.						
4	38 in	116 in.						
5	38 in	116 in.						
6	38 in	116 in.						
7	38 in	116 in.						
8	36 in	116 in.						
East Side-Gable Side 1								
1	38 in		119 5/8 in	132 5/16 in				
2	38 in		131 5/8 in	144 5/16 in				
3	38 in		143 5/8 in	156 5/16 in				
4	38 in		155 5/8 in	167 5/8 in				
5	38 in		154 15/16 in	167 5/8 in				
6	38 in		142 15/16 in	155 5/8 in				
					155 5/8 in	167 5/8 in		
					167 5/8 in	168 15/16 in		
						36 in		

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FIG. 123

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STEEL PANEL LAYOUT

Panel Number	Width	Height	GABLE ONLY		PEAK ONLY			
			Low Side	High Side	Lap Side	High Point	Opposite of Lap Side	Horizontal From Lap End To High Point
7	38 in		130 15/16 in	143 5/8 in				
8	36 in		119 5/8 in	131 5/8 in				
<u>West Side-Gable Side 2</u>								
1	38 in		119 5/8 in	132 5/16 in				
2	38 in		131 5/8 in	144 5/16 in				
3	38 in		143 5/8 in	156 5/16 in				
4	38 in		57 5/16 in	69 5/16 in				
5	38 in		56 5/8 in	69 5/16 in				
6	38 in		142 15/16 in	155 5/8 in				
7	38 in		130 15/16 in	143 5/8 in	57 5/16 in	69 5/16 in	68 5/8 in	36 in.
8	36 in		119 5/8 in	131 5/8 in				

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FIG. 124

MSD 2

STEEL ORDER FORM

Count	Order Code	Type	Description	Dimensions	Color Code	Color
<u>SIDING</u>						
4		Panel	Classic Rib	10"	(24)	Red
2		Panel	Classic Rib	5' 10"	(24)	Red
5		Panel	Classic Rib	8'	(24)	Red
8		Panel	Classic Rib	9' 8"	(24)	Red
2		Panel	Classic Rib	11'	(24)	Red
2		Panel	Classic Rib	11' 1"	(24)	Red
2		Panel	Classic Rib	12'	(24)	Red
2		Panel	Classic Rib	12' 1"	(24)	Red
2		Panel	Classic Rib	13'	(24)	Red
2		Panel	Classic Rib	13' 1"	(24)	Red
2		Panel	Classic Rib	14'	(24)	Red
<u>WALL STEEL ACCESSORIES</u>						
15	42264-39	Accessory	Brite White J-Channel	12 ft	(39)	Brite White
3	42924-39	Accessory	Brite White Drip Cap	12 ft 0	(39)	Brite White
6	42226-24	Accessory	Red Rat Guard	12 ft 0 in	(24)	Red
4	49070-39	Accessory	Brite White Double Angle	12 ft 0 in	(39)	Brite White
4	42164-39	Accessory	Brite White Outside Corner/C	12 ft 0 in	(39)	Brite White
2	42464-39	Accessory	Brite White 5 1/2 Post Trim	12 ft 0 in	(39)	Brite White
2	42464-39	Accessory	Brite White 5 1/2 Post Trim	12 ft 0 in	(39)	Brite White
<u>FASTENERS</u>						

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FIG. 125



STEEL ORDER FORM

courtesy of
metal sales
INC

Count	Order Code	Type	Description	Dimensions	Color Code	Color
3 Box		Fastener	Metal Sales Brite White 2 1/2" Neoprene Siding	(39)		Brite White
5 Box		Fastener	Metal Sales Red 2 1/2" Neoprene Siding Screw	(24)		Red

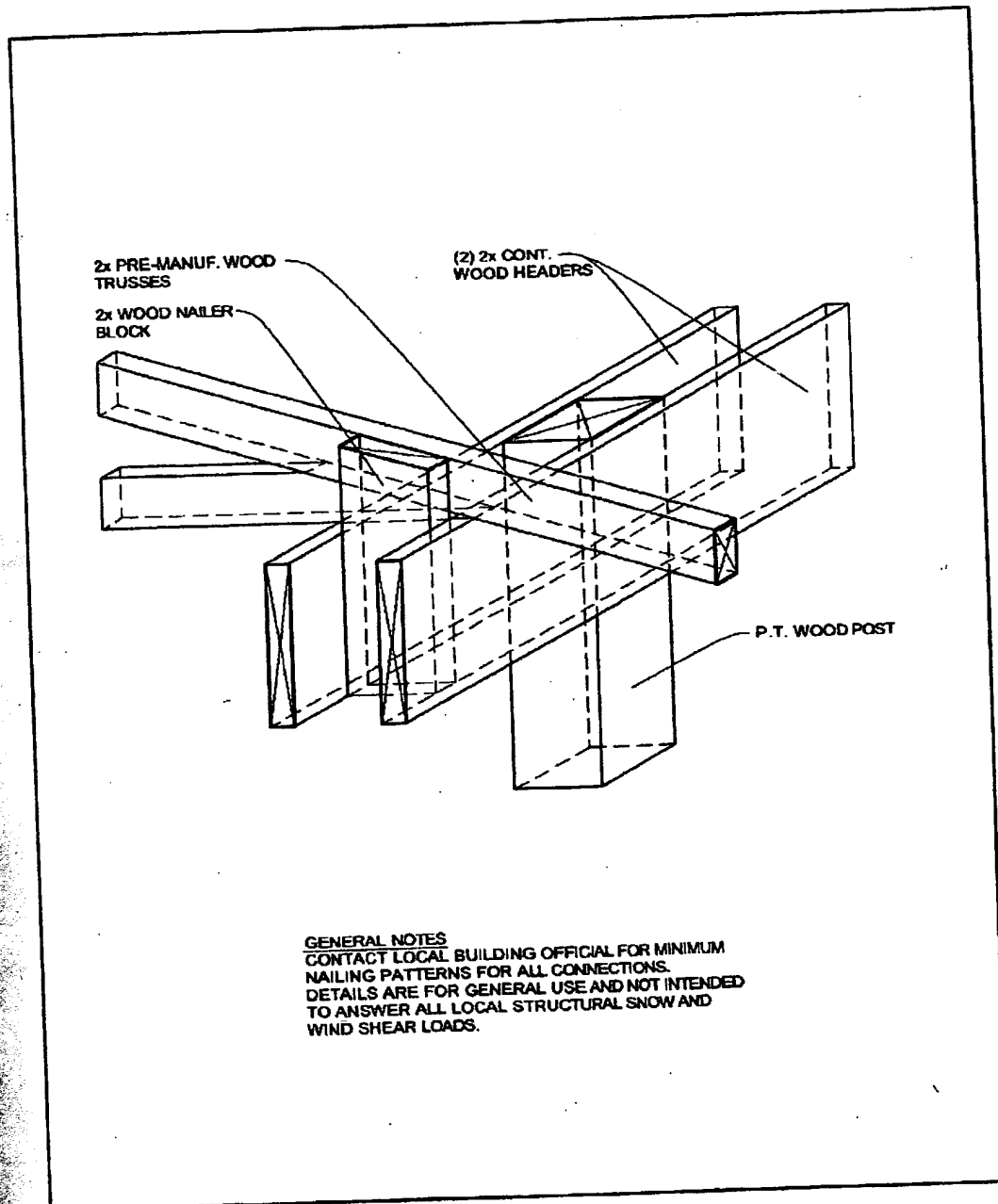
CUSTOMER
Name: Jerry Jackson
Address: 5522 W. Vienna Rd.
Clio, MI 48420
Phone: 810.687.2211

Company: X Y Z Lumber Co.
Salesperson: Emie
Phone: 810-233-3226
PO: 10114
Steel Co. Phone 812-248-1886
Fax To: 812-248-0893

FIG. 126

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Truss Application Detail 1-T



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FIG. 127

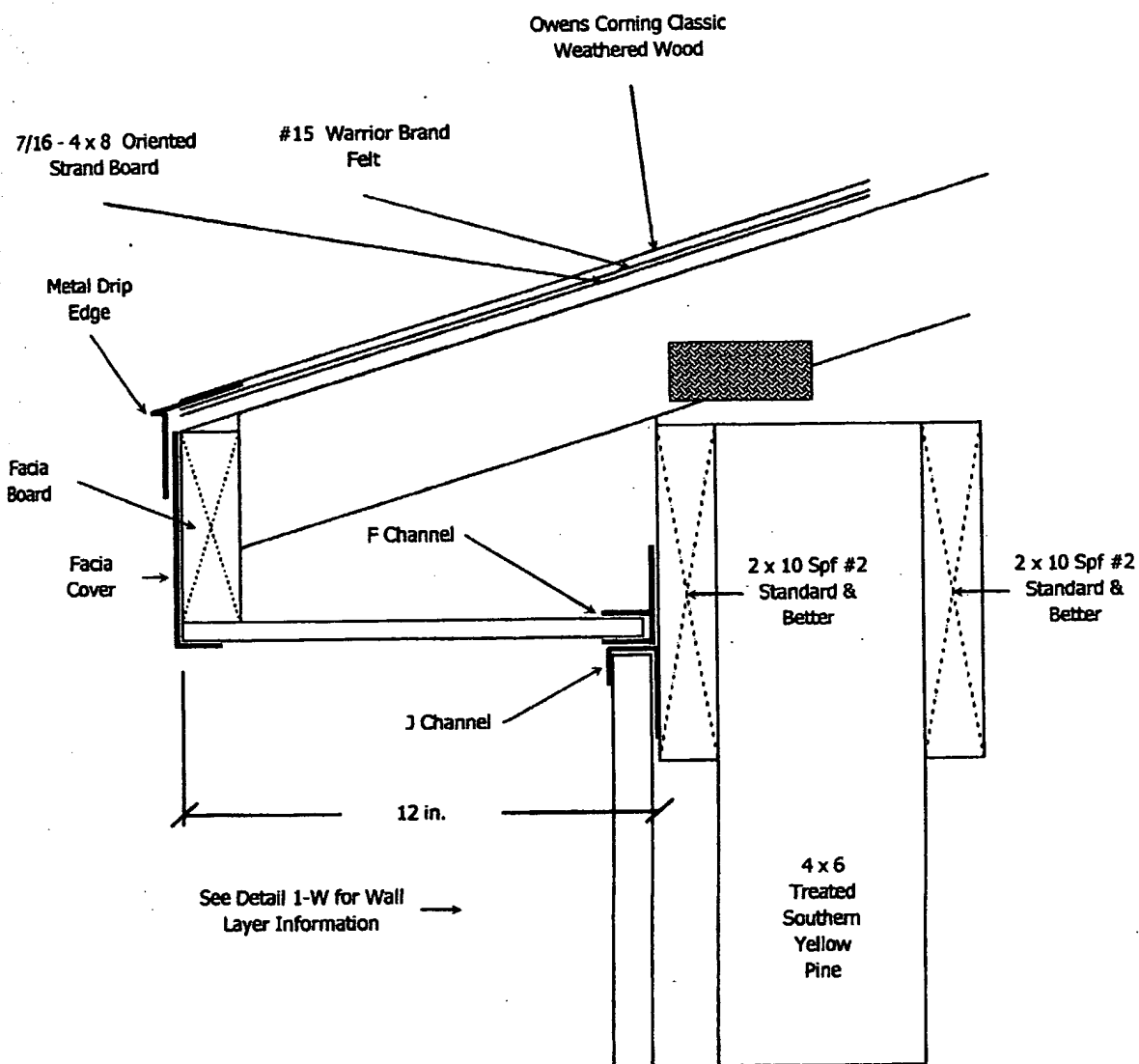
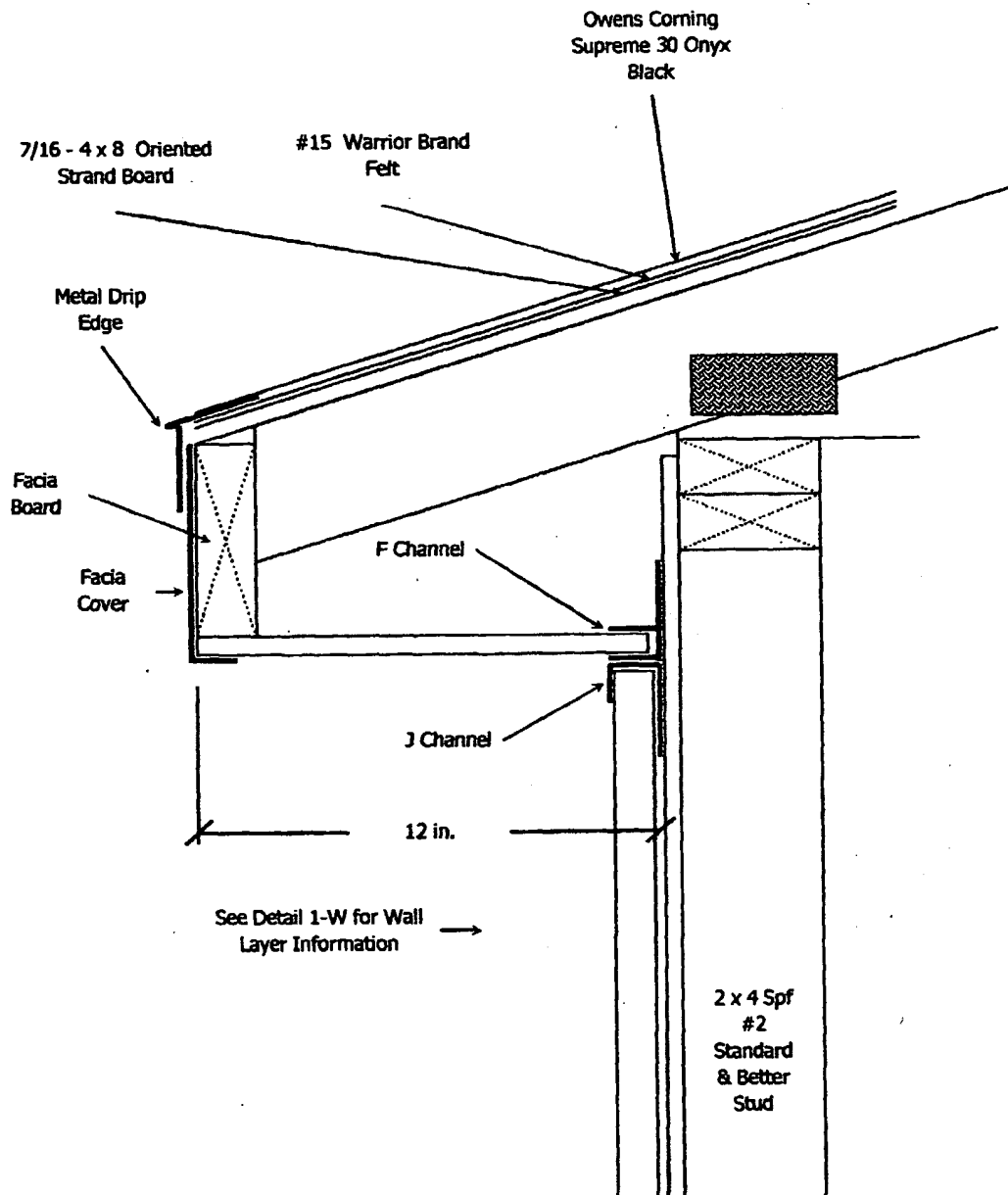


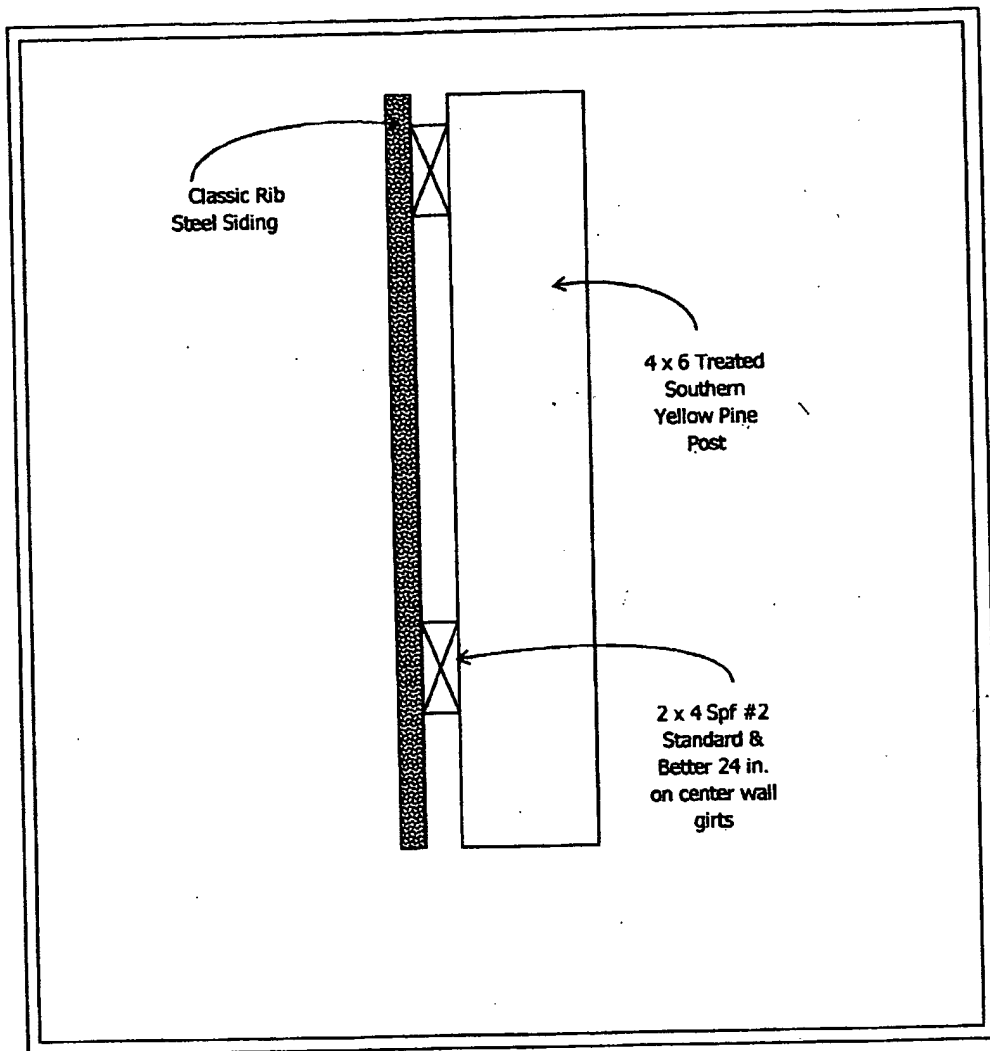
FIG. 128



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FIG. 129

Wall Section 1-W

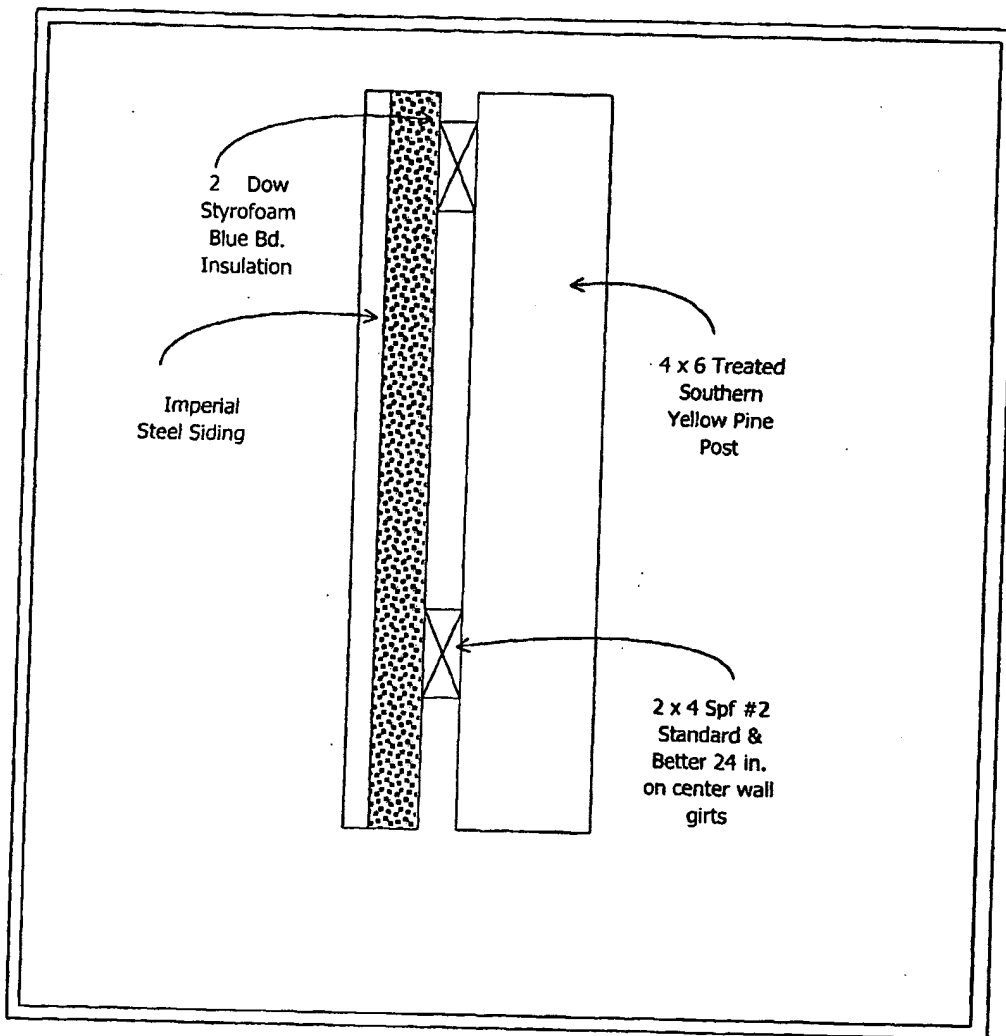


Estimate Number: 114
Customer: Jerry Jackson

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FIG. 130

Wall Section 1-W



Estimate Number: 119
Customer: Tom Jones

FIG. 131

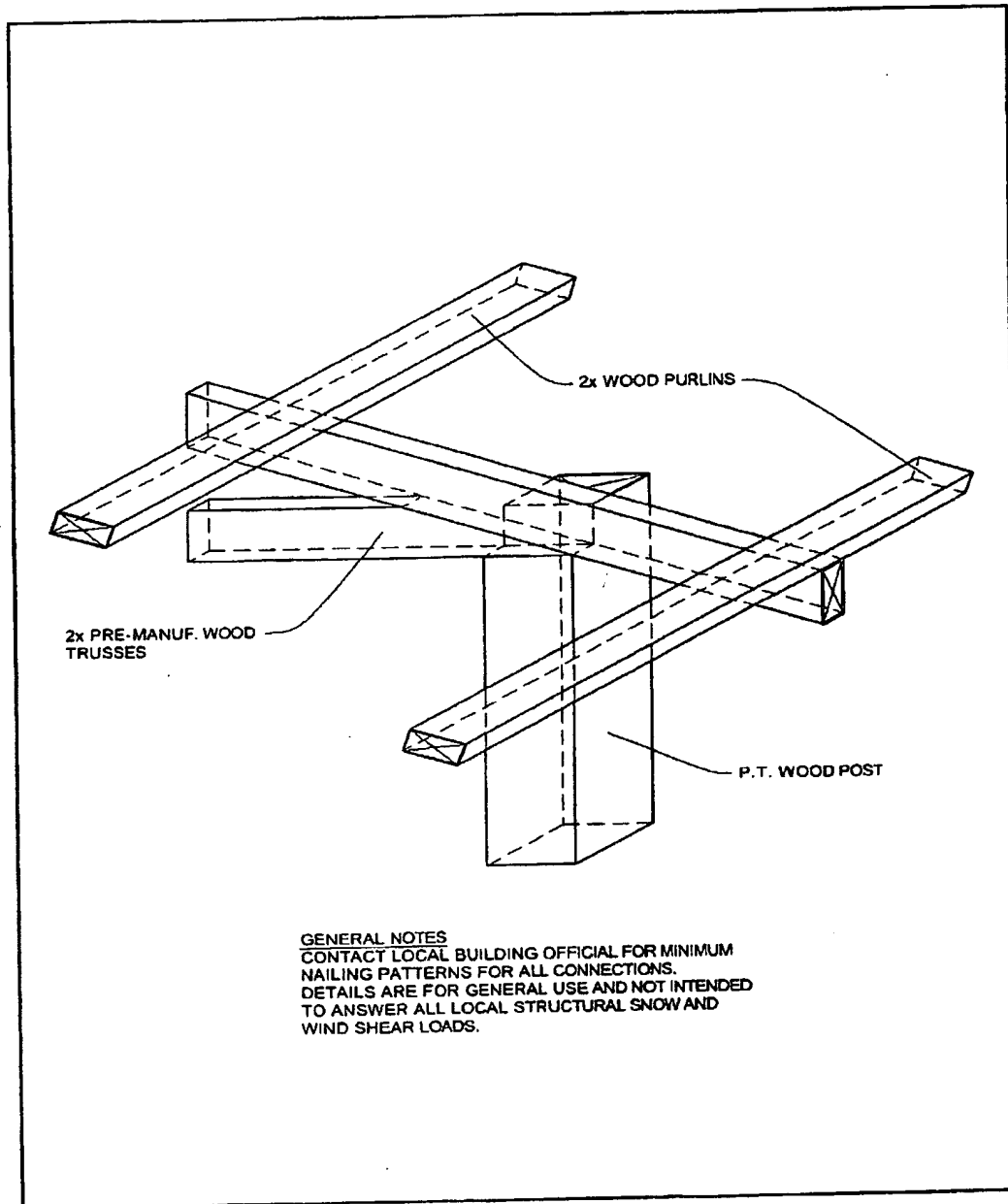
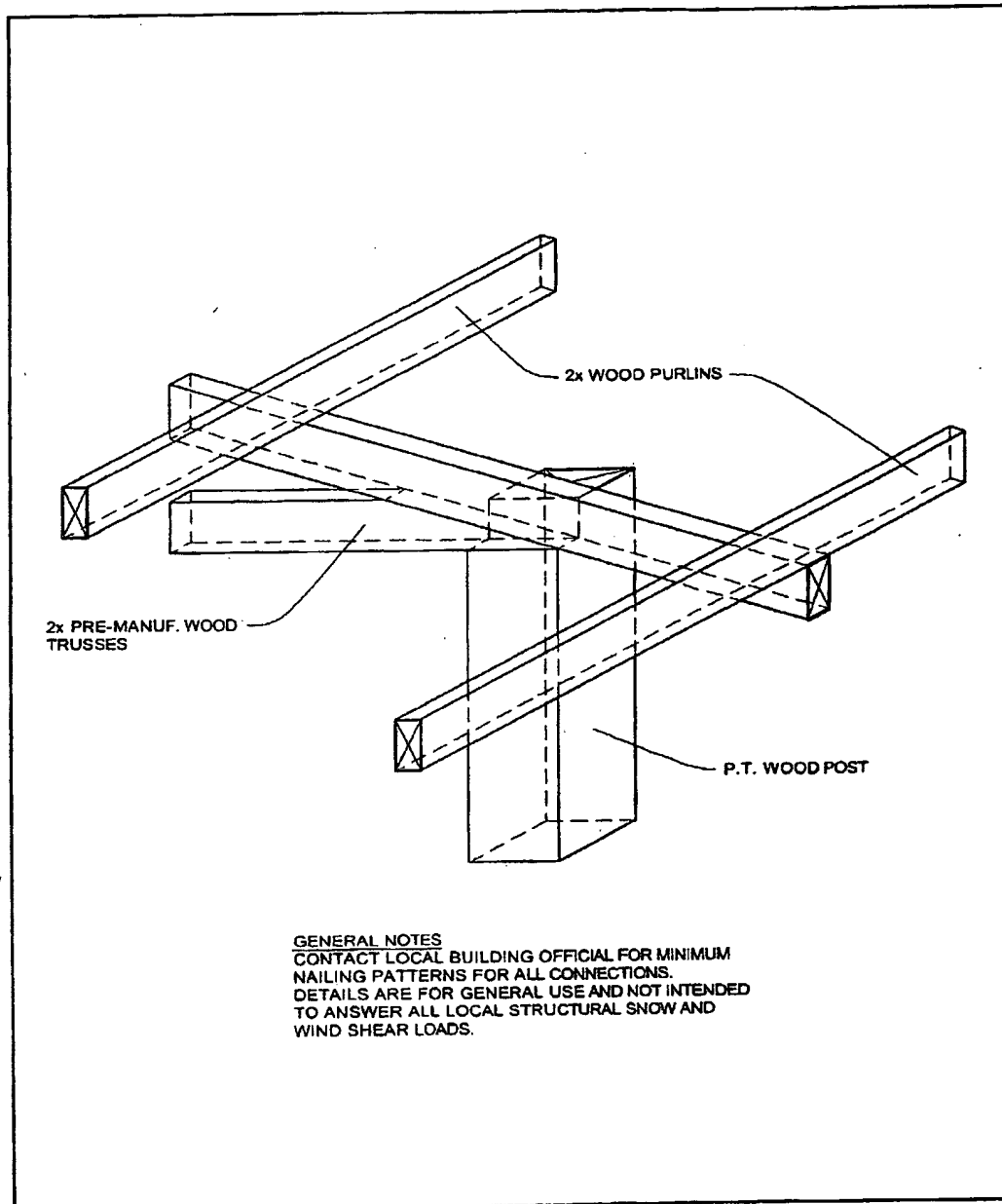


FIG. 132

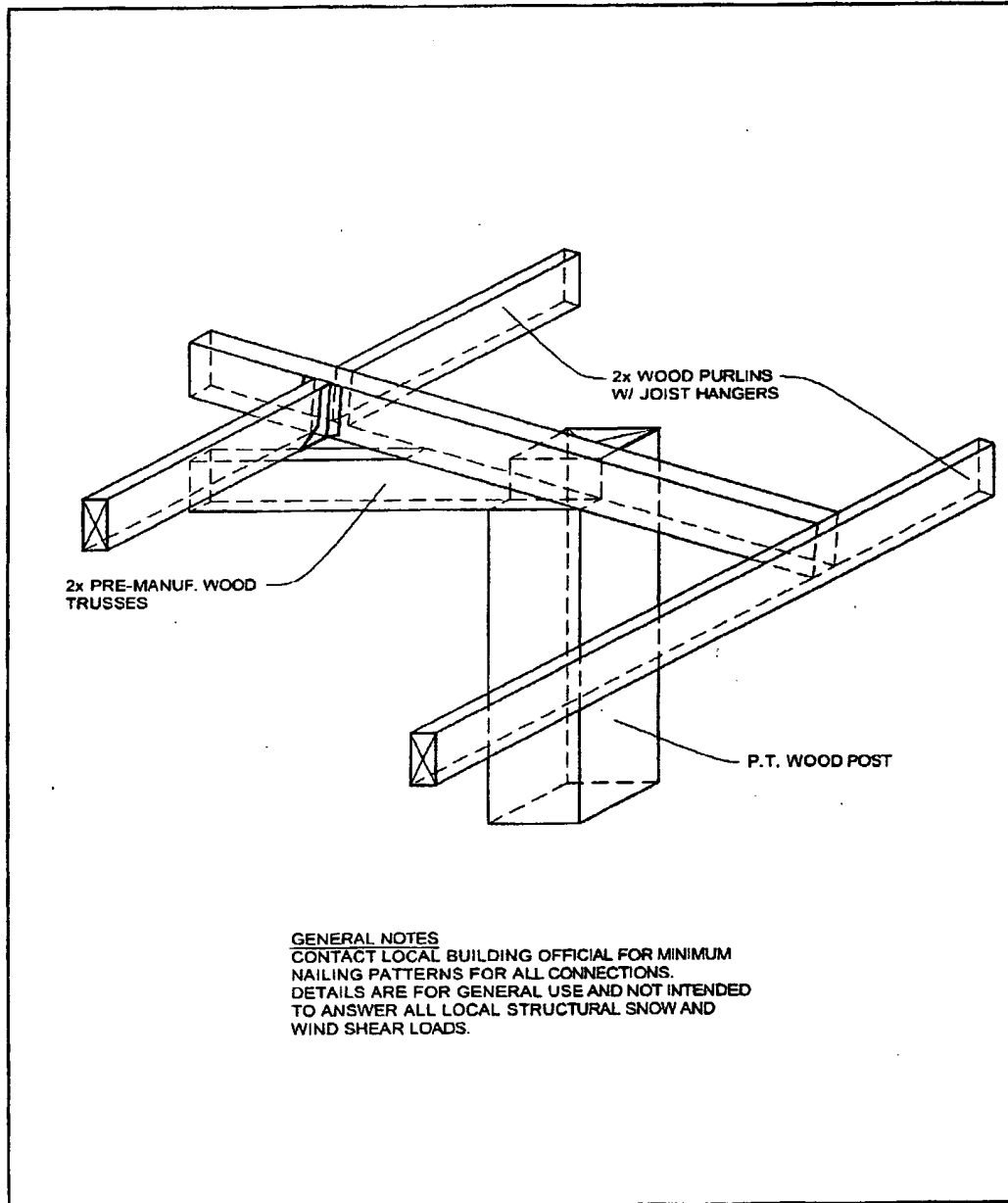


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FIG. 133

Construction
Maestro
version 2.0

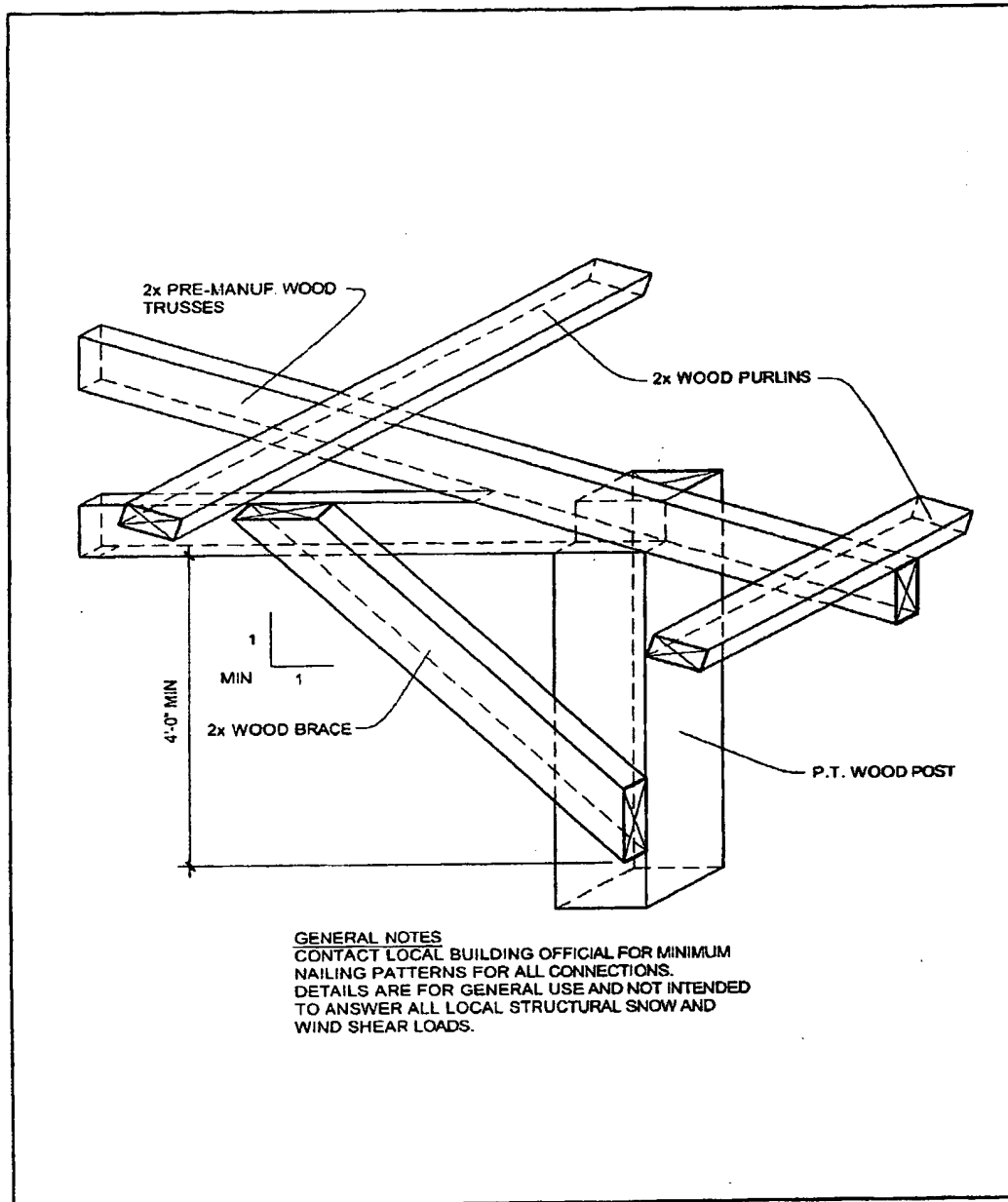
Purlin Application Detail

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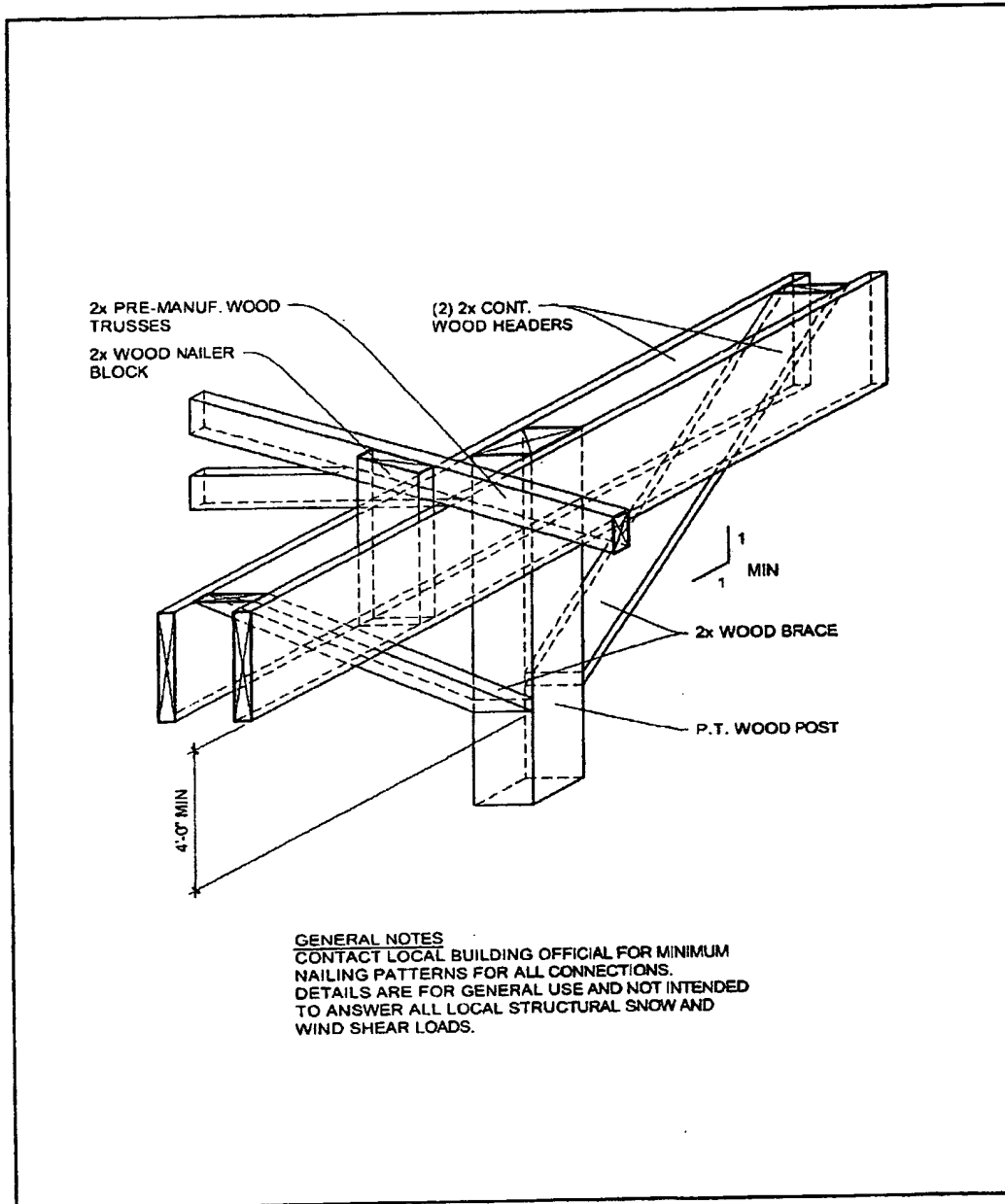
364

FIG. 134



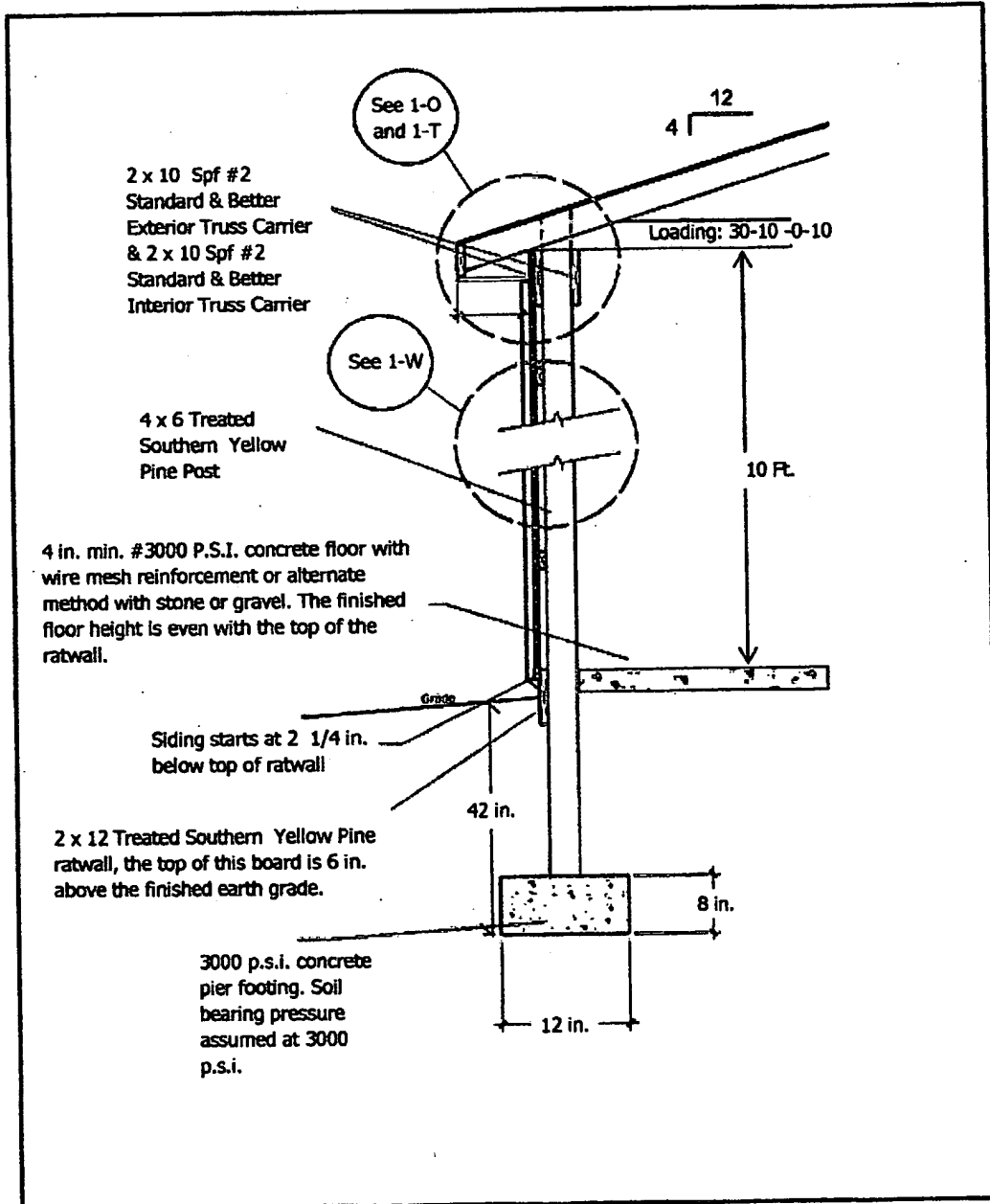
365

FIG. 135



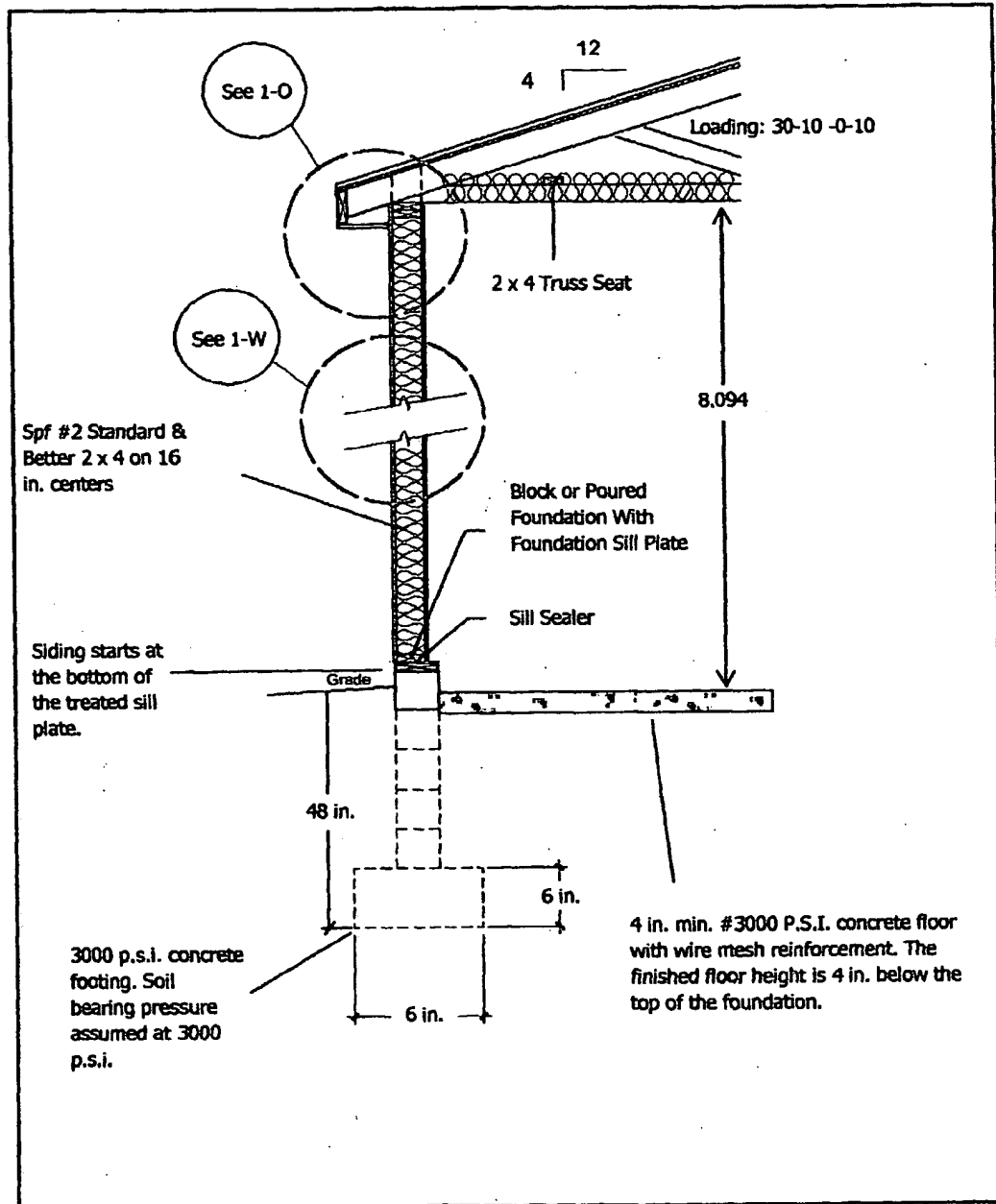
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FIG. 136



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FIG. 137



302

FIG. 138

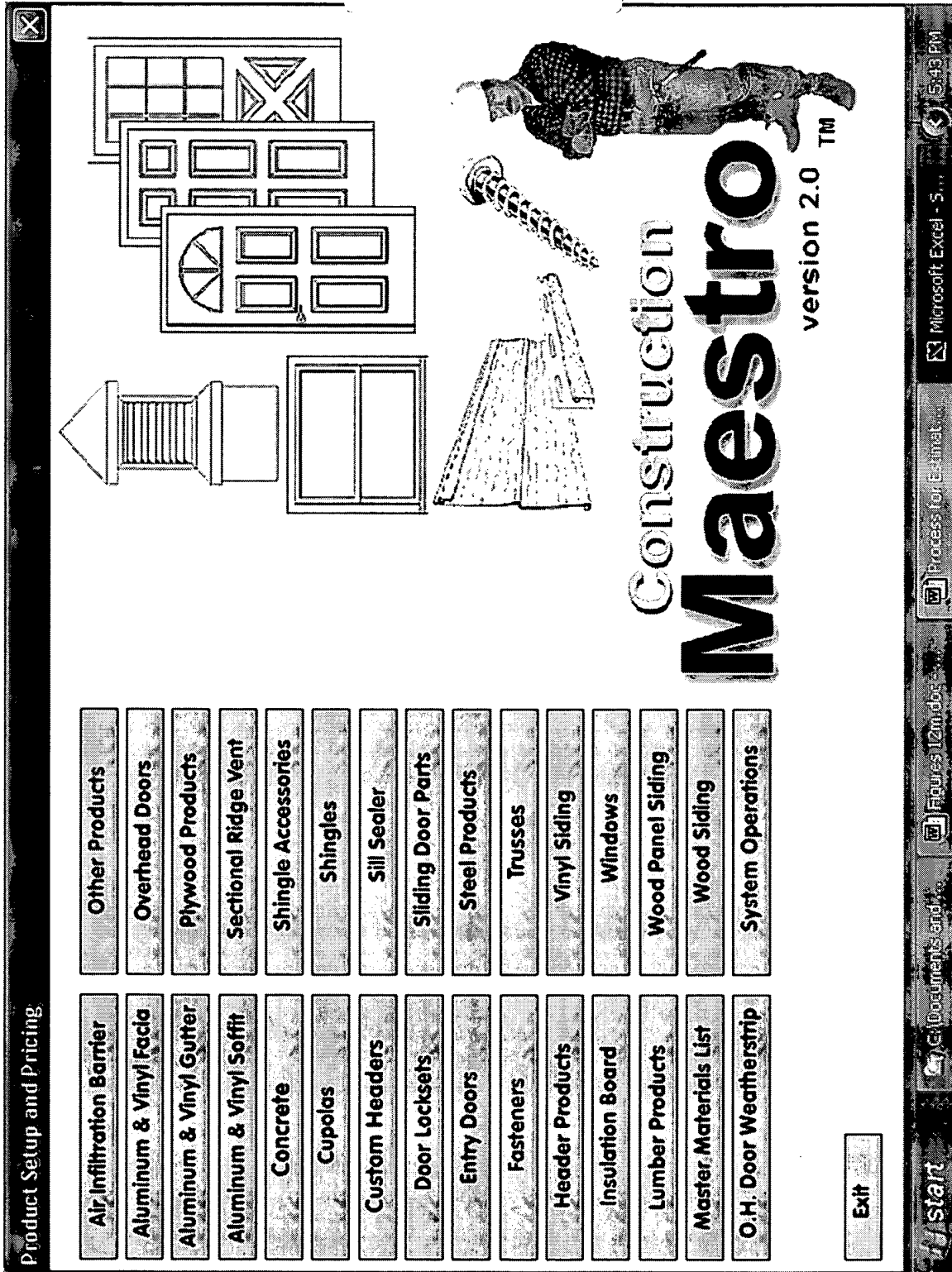


FIG. 139

Lumber Material Setup

Available Lumber:

(NEW)

2 x 4 x 7.72

2 x 4 x 8

2 x 4 x 10

2 x 4 x 12

2 x 4 x 14

2 x 4 x 16

2 x 4 x 18

Spf #2 Standard & Better

Spf #2 Standard & Better

Spf #2 Standard & Better

Spf #2 Standard & Better

Spf #2 Standard & Better

Spf #2 Standard & Better

Spf #2 Standard & Better

New

Update

Delete

Copy

2410

Price

2.21

Species/Category

Spf #2 Standard & Better

Treated

Thickness

2

in.

X

4

in.

X

10

ft.

Grade

2

Load

1.5

PSF

Description:

2 x 4 x 10

Availability

☒ Stock

☐ Special Order

Uses:

☒ Stud

☐ Post

☒ Girt

☒ Purlin

☐ Skirt Board

☒ Facia

☐ Finished Facia

☐ Overhead Door Jamb

☐ Top Girt Exterior

☐ Truss Carrier Exterior

☐ Truss Carrier Interior

☐ Foundation Sill Plate

☒ Header Component

☐ Window / Corner Trim

☒ Top Plate

☒ Bottom Plate

☐ Track Board

☐ Track Support

☒ Truss Seat

☒ Lateral Bracing

☒ Sliding Door Girt

☐ Bird Board

☐ Rafter

☐ Furring Strip

☐ Truss Block

Lumber Material Setup

Available Lumber:

5 x 5 x 22

5 x 5 x 24

5 x 5 x 26

5 x 5 x 28

5 x 5 x 30

5 x 5 x 32

2 x 5 x 16

2 x 4 x 8

Treated Southern Yellow Pine

Treated Southern Yellow Pine

Treated Southern Yellow Pine

Treated Southern Yellow Pine

Treated Southern Yellow Pine

Treated Southern Yellow Pine

Spf #2 Standard & Better

Spf #2 Standard & Better

New

Update

Delete

Copy

2496

Price

1.75

Species/Category

Spf #2 Standard & Better

Treated

Thickness

2

in.

X

4

in.

X

8

ft.

Grade

2

Load

1.5

PSF

Description:

2 x 4 x 8

Availability

☒ Stock

☐ Special Order

Uses:

☒ Stud

☐ Post

☒ Girt

☐ Purlin

☐ Skirt Board

☒ Facia

☐ Finished Facia

☐ Overhead Door Jamb

☐ Top Girt Exterior

☐ Truss Carrier Exterior

☐ Truss Carrier Interior

☐ Foundation Sill Plate

☒ Header Component

☐ Window / Corner Trim

☒ Top Plate

☒ Bottom Plate

☐ Track Board

☐ Track Support

☒ Truss Seat

☒ Lateral Bracing

☒ Sliding Door Girt

☐ Bird Board

☐ Rafter

☐ Furring Strip

☐ Truss Block

FIG. 142

FIG. 143

Lumber Material Setup

Available Lumber:

2 x 12 x 18	Spf #2 Standard & Better	New Update Delete Copy
2 x 12 x 20	Spf #2 Standard & Better	
2 x 4 x 8	Treated Southern Yellow Pine	
2 x 4 x 10	Treated Southern Yellow Pine	
2 x 4 x 12	Treated Southern Yellow Pine	
2 x 4 x 14	Treated Southern Yellow Pine	
2 x 4 x 16	Treated Southern Yellow Pine	
2 x 6 x 8	Treated Southern Yellow Pine	

SKU

648

Price

2.09

Species/Category

Treated Southern Yellow Pine

Treated

Thickness

2

in.

X

4

in.

X

8

ft.

Grade

2

Load

1.5

PSF

Description:

2 x 4 x 8 Treated

Availability

☒ Stock

☐ Special Order

Uses:

☐ Stud

☐ Finished Facia

☐ Overhead Door LAMB

☐ Girt

☐ Purlin

☐ Skirt Board

☐ Facia

☐ Header Component

☐ Window / Corner Trim

☐ Top Plate

☒ Truss Carrier Exterior

☐ Truss Carrier Interior

☒ Foundation Sill Plate

☐ Truss Seat /Lateral Bracing

☐ Sliding Door Girt

☐ Bird Board

☐ Rafter

☐ Furring Strip

☐ Truss Block

Custom Header Setup

Box

Single/Multiple Lintel

Available Box Headers:

[NEW]

2 x 6 Lintels, 2 x 4 Top & Bottom

2 x 6 Lintels, 2 x 6 Top & Bottom

2 x 8 Lintels, 2 x 4 Top & Bottom

2 x 8 Lintels, 2 x 6 Top & Bottom

2 x 8 Lintels, 2 x 8 Top & Bottom

Top & Bottom Species

Spf #2 Standard & Better

Lintel Species

Spf #2 Standard & Better

Description:

2 x 6 Lintels, 2 x 6 Top & Bottom

Top & Bottom Size

2 x 6

Lintel Size

2 x 6

Diagram

Close

FIG. 144

FIG. 145

Aluminum & Vinyl Fascia, Soffit, Gutter, F-Channel & Aluminum Coil Stock

Companies:

[NEW]	Quality Aluminum Products	New
	Crane Plastics	Update
	Owens Corning	Delete

Company: _____

Quality Aluminum Products

Color | Aluminum Fascia | Aluminum Soffit | Aluminum Gutter | Aluminum F-Channel | Vinyl Fascia

Gutter | Right End Cap | Left End Cap | Splice Brackets | Spikes | Ferrules | Downspouts

Available Aluminum Gutters:

SKU	Price	Order Number	Description
[NEW!]			

Length Ft. In. Color [NONE]

[Close]

Aluminum & Vinyl Facio, Soffit, Gutter, F Channel & Aluminum Coil Stock

Companies:

[NEW]
Quality Aluminum Products
Crane Plastics
Owens Corning

New
Update
Delete

Company:

Quality Aluminum Products

Color | Aluminum Facia | Aluminum Soffit | Aluminum Gutter | Aluminum F-Channel | Vinyl Facia

Available Aluminum Soffit Panels:

[NEW]		
Solid	Pearl Gray	10 in. x 12 ft. x 0 in.
Solid	Antique Ivory	10 in. x 12 ft. x 0 in.
Solid	Tuxedo Gray	10 in. x 12 ft. x 0 in.
Solid	Black	10 in. x 12 ft. x 0 in.

New
Update
Delete
Copy

Piece SKU	C1099-4677	Piece Price	7.00	Square SKU	C1099-4678	Square Price	69.95	Calculate by Square first, then by piece
Order Number	QUASVP10	Type	Solid	Color	Antique Ivory	Length	12	Ft. 0 In.

Width of Panel

10 In.

Availability

☒ Stock Item ☐ Special Order Item

FIG. 147

FIG. 146

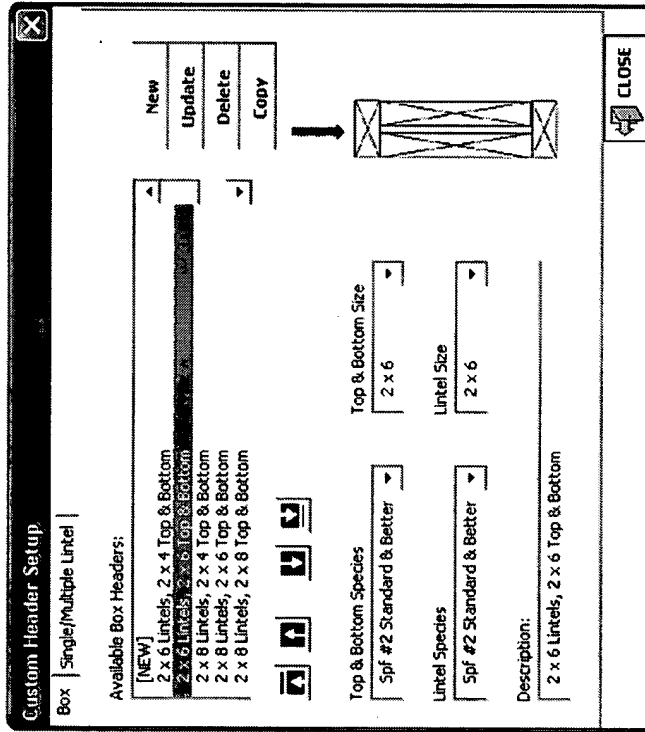


FIG. 148

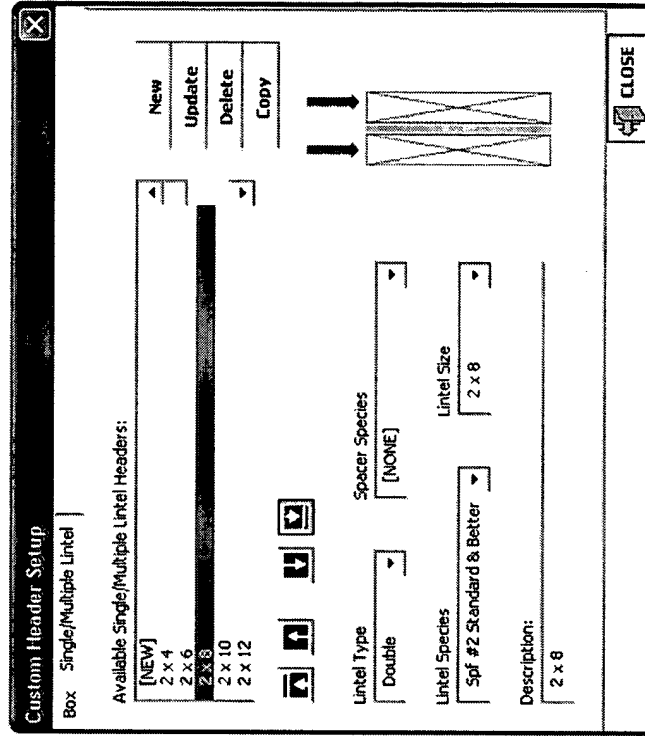


FIG. 149

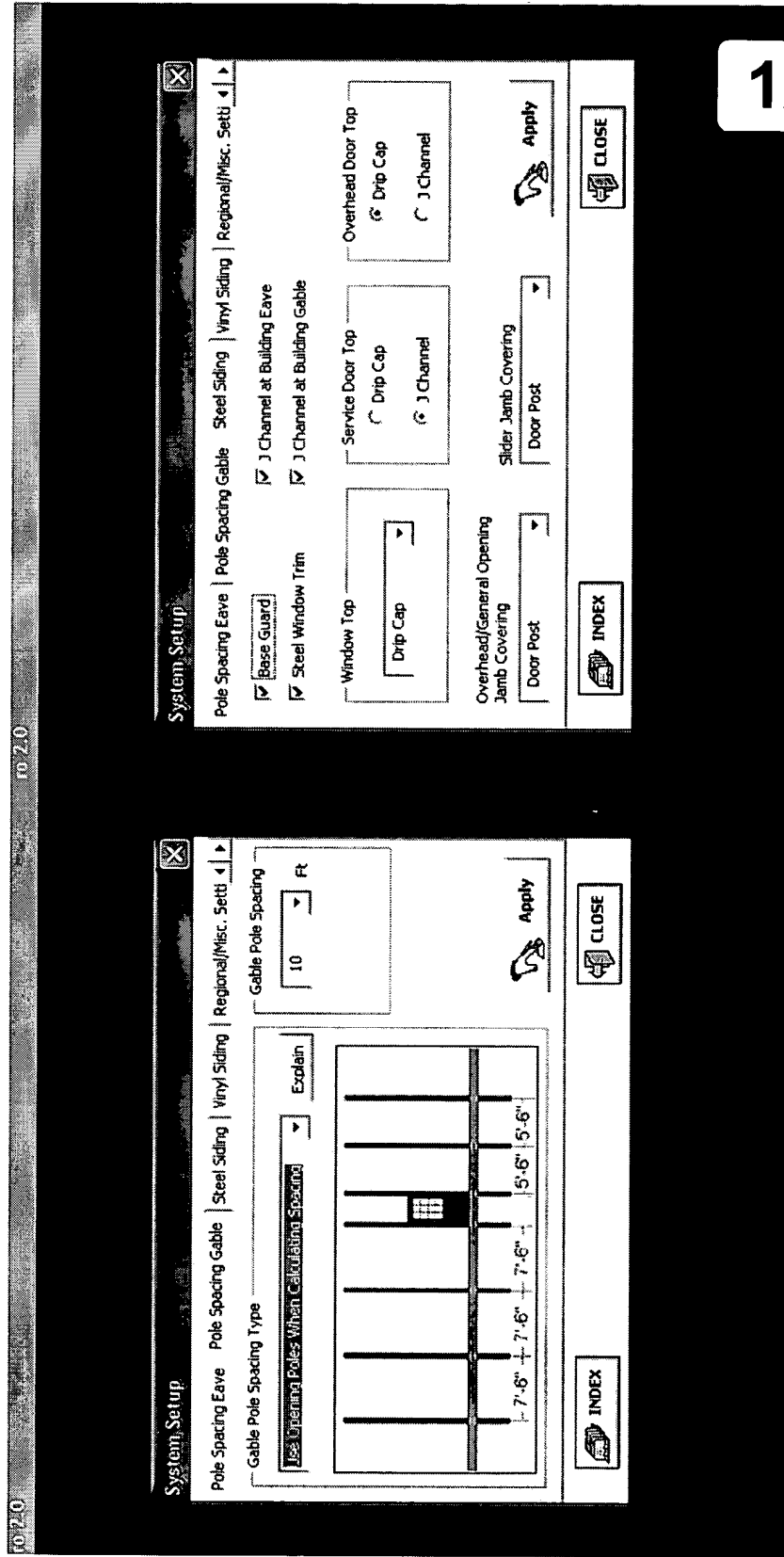


FIG. 151

FIG. 150

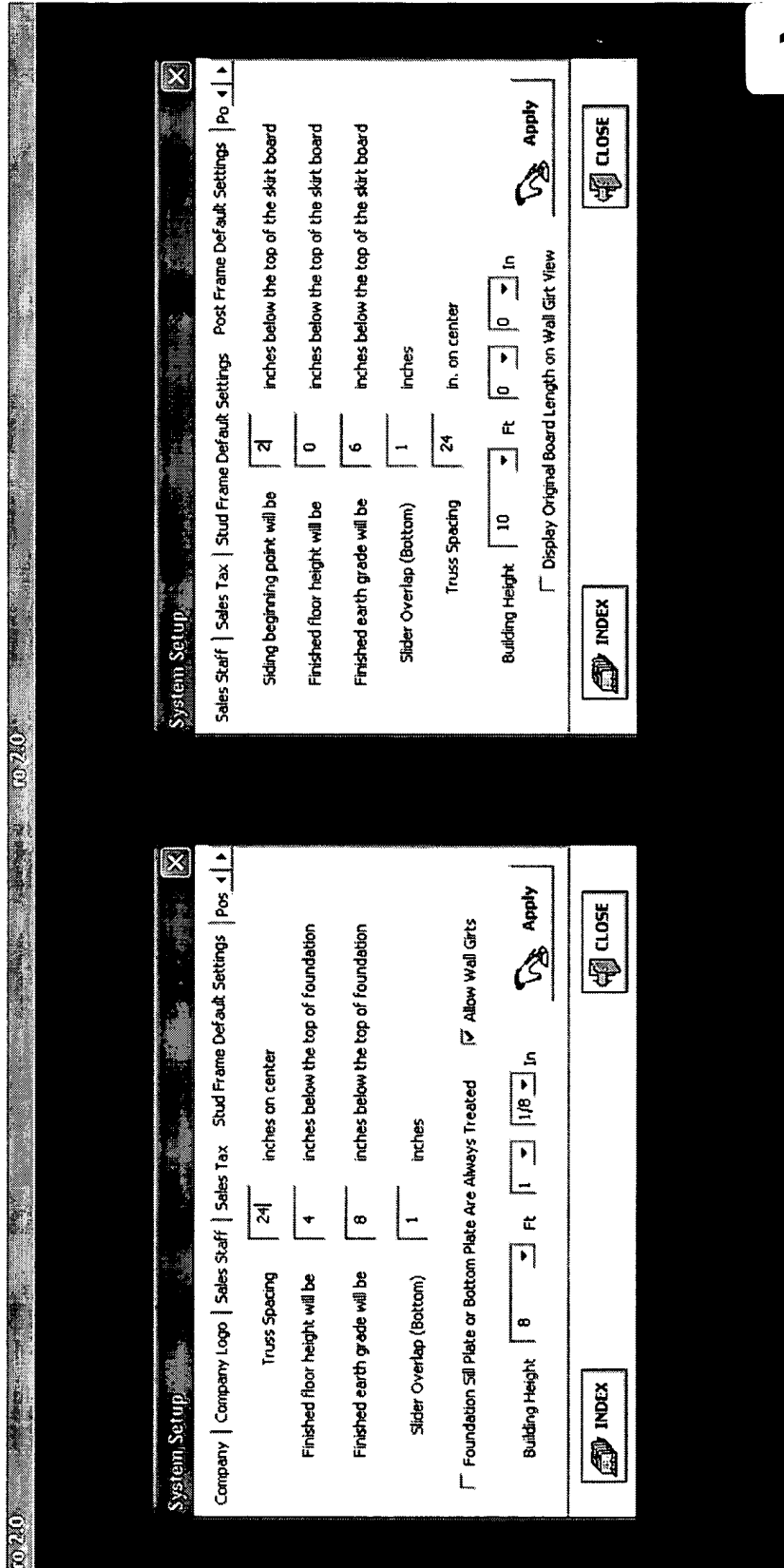


FIG. 152

FIG. 153

Master Materials List

Materials

00	Augusta Green	Dimensional 25 Shake
00001	Augusta Green	Presidential Shake
00009	Desert Shake	Pinnacle 30
0001	Autumn Blend	Dimensional 30 Shake
0002	Antique Black	Pinnacle 30
0003	Burnt Sienna	Pinnacle 30
0078	Weathered Wood	Dimensional 25 Shake
011	Augusta Green	Dimensional 30 Shake
018293	Heatherstone Gray	Pinnacle 30
02	Arlington	Ambassador Shake
0643	Rustic Cedar	Glass-Seal
089978754	Slate Gray	Presidential Shake
0906	Tweed Blend	Glass-Seal
090807	Dove Gray	Pinnacle 30
0909809	Slate Blend	Dimensional 25 Shake
098-0-9	Forest Green	Storm King 25
0987	Bark Brown	Dimensional 25 Shake
0910890	Mission Brown Blend	Timberline Ultra
0910	Autumn	Marquis
107100	Yellow Pine	3/8 in x 48 in x 8 ft
1130	Fiberglass Sill Sealer	1/4 in x 6 in x 50 ft.
116204	Pine Barn Siding	Clap Board
116208	Pine Barn Siding	Clap Board
116210	Pine Barn Siding	Clap Board
116212	Pine Barn Siding	Clap Board
116214	Pine Barn Siding	Clap Board

SKU

00

Price

11.97

UPDATE

DELETE

SKU Lookup:

Category: ALL

CLOSE

start

Figures 12p.doc

Microsoft Excel - 5...

C:\Documents and ...

Process for Estim...

7:07 PM

FIG. 154

Master Materials List

Materials

86518	7/16	Oriented Strand Board	4 x 8	Standard
86519	1/2	Oriented Strand Board	4 x 8	Standard
86533	3/8	3-Ply CDX	4 x 8	Standard
86534	1/2	3-Ply CDX	4 x 8	Standard
86535	1/2	4-Ply CDX	4 x 8	Standard
86536	5/8	4-Ply CDX	4 x 8	Standard
86537	3/4	Oriented Strand Board	4 x 8	Standard

SKU

86518

Price

4.99

UPDATE

DELETE

SKU Lookup:

Category:

Plywood

CLOSE

start

Figures12p.doc

Microsoft Excel - S...

C:\Documents and...

Process for Estim...

7:12 PM

FIG. 155

Master Materials List

Materials

21010	2 x 10 x 10	Spf #2 Standard & Better
21012	2 x 10 x 12	Spf #2 Standard & Better
21014	2 x 10 x 14	Spf #2 Standard & Better
21016	2 x 10 x 16	Spf #2 Standard & Better
21018	2 x 10 x 18	Spf #2 Standard & Better
21020	2 x 10 x 20	Spf #2 Standard & Better
2108	2 x 10 x 8	Spf #2 Standard & Better
21210	2 x 12 x 10	Spf #2 Standard & Better
21212	2 x 12 x 12	Spf #2 Standard & Better
21214	2 x 12 x 14	Spf #2 Standard & Better
21216	2 x 12 x 16	Spf #2 Standard & Better
21218	2 x 12 x 18	Spf #2 Standard & Better
21220	2 x 12 x 20	Spf #2 Standard & Better
2128	Spf #2 Standard & Better	2 x 12 x 8
2410	2 x 4 x 10	Spf #2 Standard & Better
2412	2 x 4 x 12	Spf #2 Standard & Better
2414	2 x 4 x 14	Spf #2 Standard & Better
2416	2 x 4 x 16	Spf #2 Standard & Better
2418	2 x 4 x 18	Spf #2 Standard & Better
2420	2 x 4 x 20	Spf #2 Standard & Better
2492	2 x 4 x 7.72	Spf #2 Standard & Better
2496	2 x 4 x 8	Spf #2 Standard & Better
2610	2 x 6 x 10	Spf #2 Standard & Better
2612	2 x 6 x 12	Spf #2 Standard & Better
2614	2 x 6 x 14	Spf #2 Standard & Better
2616	2 x 6 x 16	Spf #2 Standard & Better

SKU

21010

SKU Lookup:

Price

6.33

Category:

Lumber

UPDATE

DELETE

CLOSE

start

Figures 12p.dps

Microsoft Excel - S...

C:\Documents and...

Process For Estimati...

7:13 PM

FIG. 156

Master Materials List

Materials

86162	Treated Southern Yellow Pine	2 x 6 x 16
8618	Treated Southern Yellow Pine	4 x 6 x 18
8620	4 x 6 x 20	Treated Southern Yellow Pine
86610	Treated Southern Yellow Pine	6 x 6 x 10
86612	Treated Southern Yellow Pine	6 x 6 x 12
86614	Treated Southern Yellow Pine	6 x 6 x 14
86616	Treated Southern Yellow Pine	6 x 6 x 16
86618	Treated Southern Yellow Pine	6 x 6 x 18
86620	Treated Southern Yellow Pine	6 x 6 x 20
86622	Treated Southern Yellow Pine	6 x 6 x 22
86624	Treated Southern Yellow Pine	6 x 6 x 24
8668	Treated Southern Yellow Pine	6 x 6 x 8
868	Treated Southern Yellow Pine	4 x 6 x 8
8682	Treated Southern Yellow Pine	2 x 6 x 8
C1099-1284	1.75 x 11.83 x 8	LVL
C1099-1285	1.75 x 11.83 x 9	LVL
C1099-1286	1.75 x 11.83 x 10	LVL
C1099-1287	1.75 x 11.75 x 11	LVL
C1099-1288	1.75 x 11.83 x 12	LVL
C1099-1289	1.75 x 11.83 x 13	LVL
C1099-1290	1.75 x 11.83 x 14	LVL
C1099-1291	1.75 x 11.83 x 15	LVL
C1099-1292	1.75 x 11.83 x 16	LVL
C1099-1293	1.75 x 11.83 x 17	LVL
C1099-1294	1.75 x 11.83 x 18	LVL
C1099-1295	1.75 x 11.83 x 19	LVL

SKU

C1099-1290

SKU Lookup:

c1099-129

Category:

Lumber

Price

68.74

UPDATE

DELETE

CLOSE

start

Figures 129.docx

Microsoft Excel - S...

C:\Documents and ...

Process for Estim...

7:15 PM

FIG. 157

Messages That Can Be Loaded To The Message Center Window

"All Openings For This Estimate Will Be Deleted Due To Dimension Changes."
 -User will receive this message if they have changed the dimensions to an existing estimate or template.

"Y Bracing Is Not Necessary For Pole Configuration & A Plywood Wall Layer."
 -User will receive this message if the user has chosen both plywood as a wall layer and Y bracing. Plywood is sufficient to replace the Y Bracing.

"Contact Between Steel Gutters & Aluminum Facia Can Cause Corrosion."
 "Contact Between Aluminum Gutters & Steel Facia Can Cause Corrosion."
 -User will receive this message if the user has chosen Steel Gutters and Aluminum Facia or vice versa.

"Insulation Is Not An Approved Exposed Wall Layer"
 -User will receive this message if the user has chosen the LAST wall layer that is something other than Wood Panel Siding, Steel Siding, Vinyl Siding, or Wood Siding. They would be picking Insulation, Wall Wrap or Plywood to receive this message.

"Felt Is Not An Approved Exposed Roof Layer"
 -User will receive this message if the user has chosen the LAST roof layer that is something other than Shingles, Steel Panel, or Special Roofing Product. They would be picking Insulation, Felt or Plywood to receive this message.

"Warning: There Are No Vents Selected For The Shingled Roof."
 -User picked a shingled roof without some type of vents (roll, pan, or ridge)

"No Felt Was Selected For The Shingled Roof"
 -User picked a shingled roof but did not pick felt as a previous layer.

"All Steel Jamb Covering Has Been Changed To Coil Stock Aluminum."
 -In the event that the user changes an existing estimate from a steel sided building to a building sided with something else other than steel, (Vinyl, Wood Siding, Wood Panel). Therefore, any steel jamb covering used must change to Aluminum Facia, Vinyl Facia, or Coil Stock. If the user changed from steel siding to vinyl siding, the system tries to replace the steel jamb covering with vinyl facia, matching the color of the vinyl siding. Otherwise change to coil stock aluminum.

Messages That Can Be Loaded To The Message Center Window (continued)

"Converted Steel Jamb For Opening 1"

-In the event that the user changes steel companies for an existing estimate, the system will try to convert the steel jamb covering to a new matching jamb covering for the new steel company by matching on appropriate size, color, and style. In the event that it cannot match, the user will receive the following message:

"Could Not Convert Steel Jamb For Opening 1"

"All Sliders Will Be Deleted Due To Change In Outside Wall Layer."

-In the event that the user changes from a steel wall to a wall other than steel, sliders will be deleted since the steel track cover is no longer valid.

"All Translucent Panels Have Been Removed: Not Compatible With Current Outside Wall Layer."

-In the event that the user changes from a steel wall to a wall other than steel, translucent panels will be deleted since they are no longer valid.

"Pole Barn Looks Great! No Warnings or Conflicts To Report."

-In the event that none of the above events occur, the user receives a compliment message when creating a pole barn.

"Garage Looks Great! No Warnings or Conflicts To Report."

-In the event that none of the above events occur, the user receives a compliment message when creating a garage.

Garage

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Fads & Soffits

Dimensions

Building Height: 8 Ft 1 1/8 In

Building Width: 24 Ft 24 In

Stud

Species: Spf #2 Standard & Better

Size: 2 x 4 Stud Spacing: 16 In

Update

Foundation

☒ Concrete Slab

☐ Block or Poured Wall

Bottom Plate Configuration

Concrete Slab With Bottom Plate

Update

Wall Girts

Species:

Size: Spacing: 24 In

Update

Wall Material Layers

1: Plywood or OSB

2: Vinyl Siding

Foundation Sill Plate

Species:

Size:

Update

Cancel **Back** **Next**

FIG. 159

Garage

Main | Templates | Estimates | Customer | Orientation | Walls | Roof | Trusses | Fads & Soffits

Bottom Plate Configuration

Configuration

STUD

BOTTOM PLATE

CONCRETE SLAB WITH RAT WALL

SLAB OPTION

Bottom Plate Configuration Type:

Concrete Slab With Bottom Plate

Update

Cancel **Back** **Next**

FIG. 160

Garage

Orientation Walls Roof Trusses Fasia & Soffit, Etc. Fasteners Messages Summary

CUSTOMER
Eldon Tubbs
Applegate Rd.
Applegate, MI 48401
none

810-555-1212

ORIENTATION
Orientation North

WALLS
Height 8
Width 24
Length 24
Foundation Block
Bottom Plate Configuratio Block or Poured Foundatio
Foundation Sill Plate Treated Southern Yellow 2 x 10
Studs Spl #2 Standard & Better 2 x 4
Wall Girts Plywood or OSB Oriented Strand Board 4 >
Wall Layer 1 Vinyl Siding Encore Clay Double 4
Wall Layer 2

ROOF
Eave Overhang
Gable Overhang
Pitch 12
Roof Layer 1 12
Roof Layer 2 4
Roof Layer 3 Plywood or OSB
Vent Felt
Shingles
Roll Oriented Strand Board 4 >
Warrior #15
Owens Corning Onyx Blac

Cancel Back Next FINISH

FIG. 161

Garage

Orientation Walls Roof Trusses Fasia & Soffit, Etc. Fasteners Messages Summary

ROOF
Eave Overhang 12
Gable Overhang 12
Pitch 4
Roof Layer 1 Plywood or OSB Oriented Strand Board 4 >
Roof Layer 2 Felt Warrior #15
Roof Layer 3 Shingles Owens Corning Onyx Blac
Vent Roll

TRUSS
Bear Truss Co. 30 10 0 10

FACIA/SOFFIT/GUTTER
Facia Amerimax Aluminum
Soffit Amerimax Aluminum
Facia Stock Spl #2 Standard & Better 2 x 6 White
Sill Sealer White

FASTENERS
Wall Layer Stud 2 x 4
Wall Layer 1 Plywood or OSB Oriented Strand Board
Wall Layer 2 Vinyl Siding Clap Board Double 4
Roof Layer 1 Plywood or OSB Oriented Strand Board
Roof Layer 2 Felt Warrior #15
Roof Layer 3 Shingles Supreme 30
Truss Alum/Vinyl Fasia Bear Truss Co. 3G 1 1/4" G
Roof Layer White Aluminum 3G 160 C.C.
Alum/Vinyl Soffit White Aluminum 1 1/4" Alum

Cancel Back Next FINISH

FIG. 162

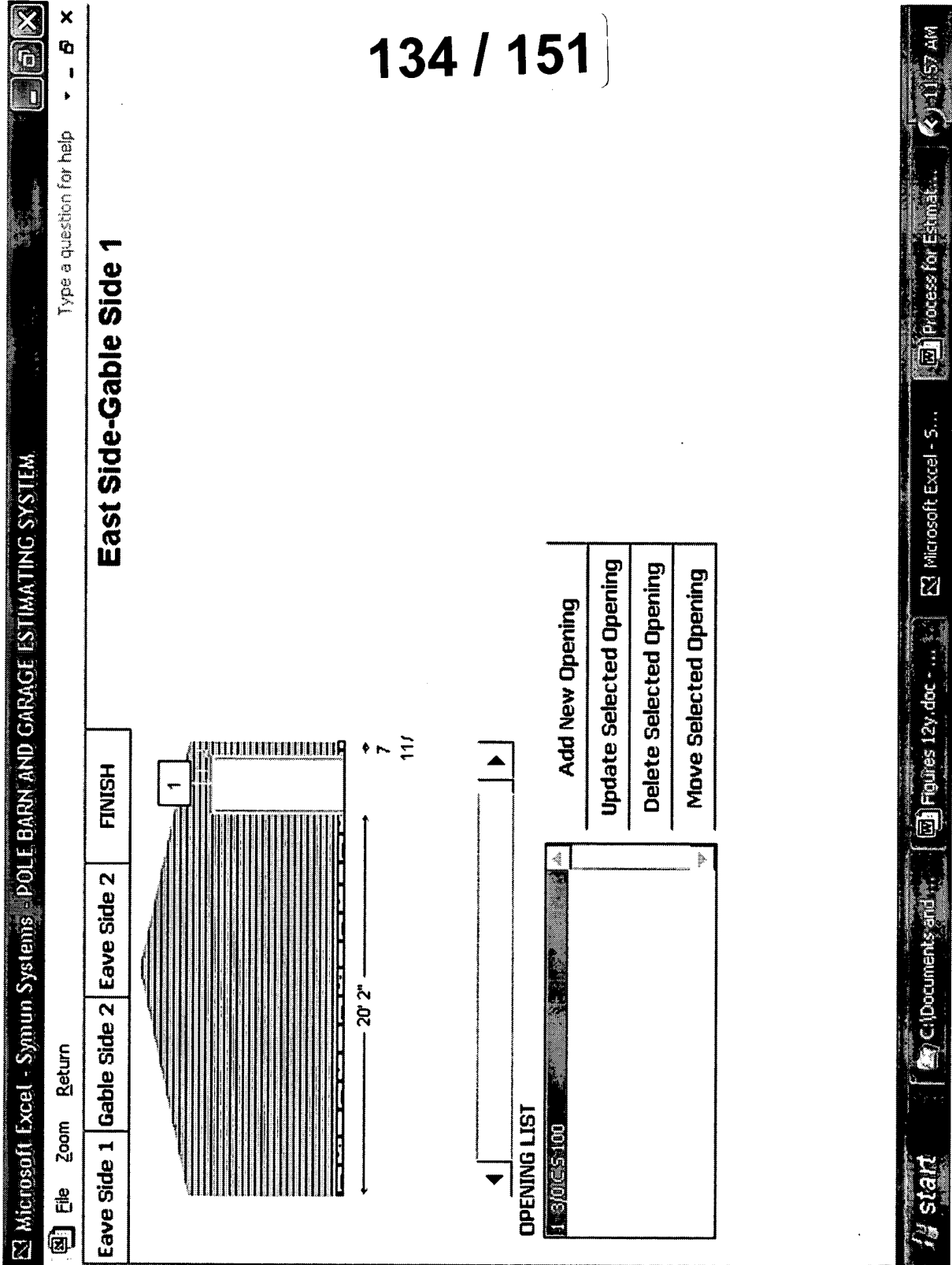


FIG. 163

Microsoft Excel - Symun Systems - POLE BARN AND GARAGE ESTIMATING SYSTEM

File

Zoom

Return

Type a question for help

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Gable Side 1

Eave Side 2

Gable Side 2

FINISH

OPENING LIST

Add New Opening

135 / 151

ig start

C:\Documents and Settings\user\My Documents\Figures\12y.doc - 5...

Microsoft Excel - 5...

Process for Estimat...

11:57 AM

FIG. 164



FIG. 165

FIG. 166

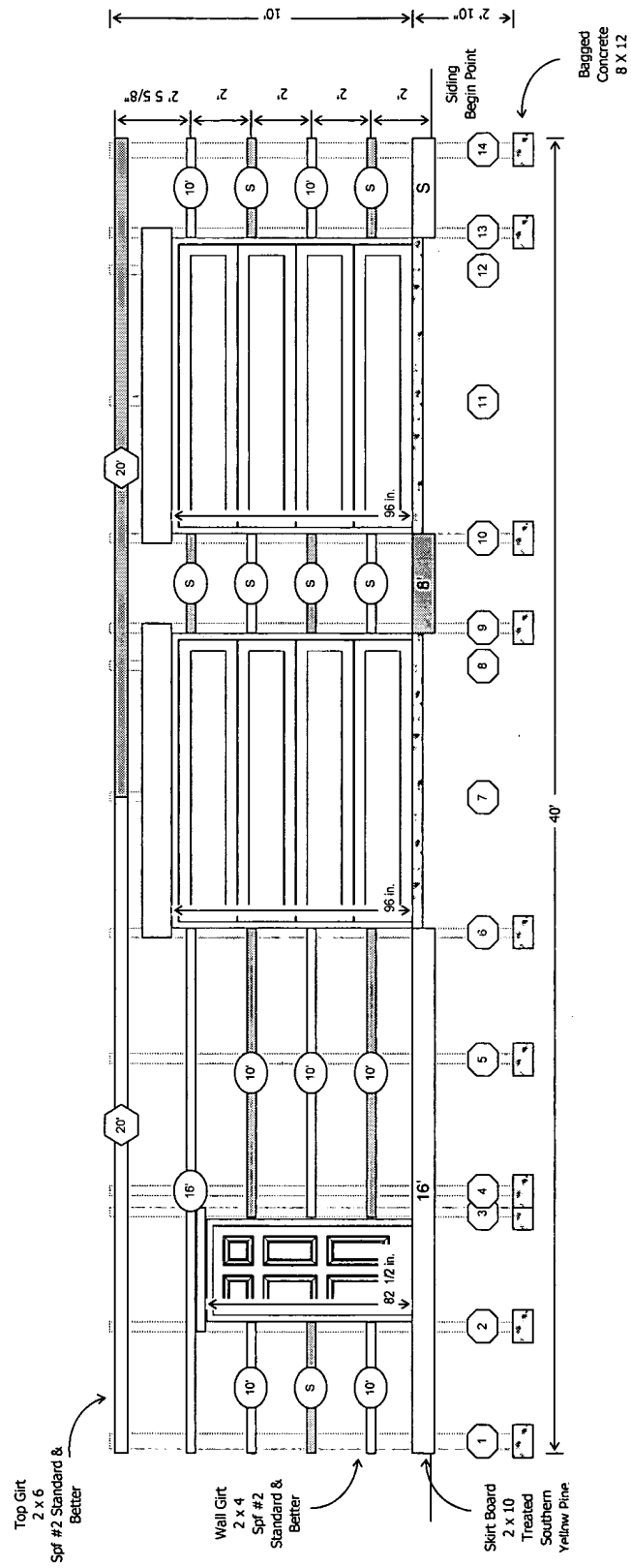
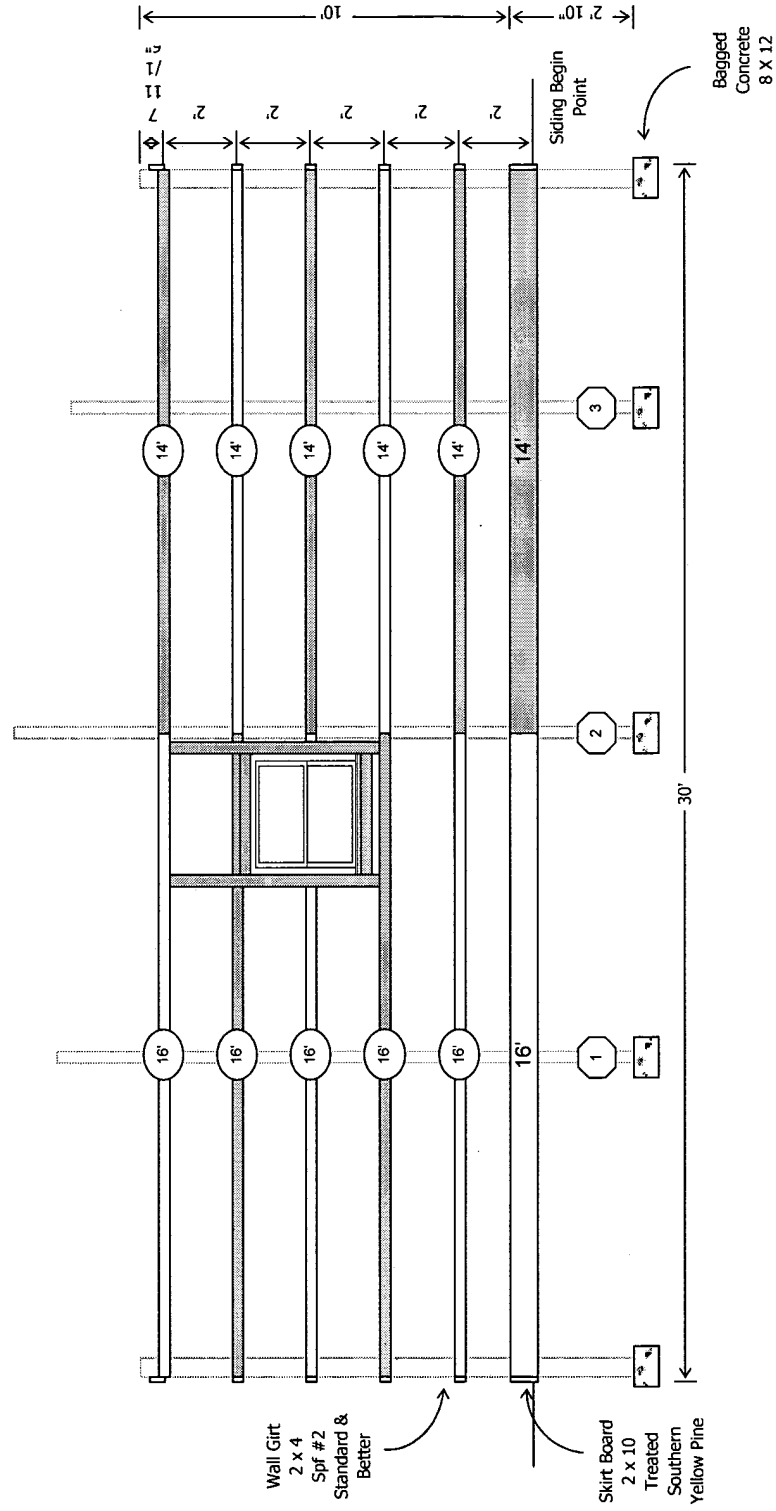


FIG. 167



FIG. 168





TRUSS AND PURLIN LAYOUT

TRUSS
Bear Truss Co.
Width: 30"
Pitch: 4/12

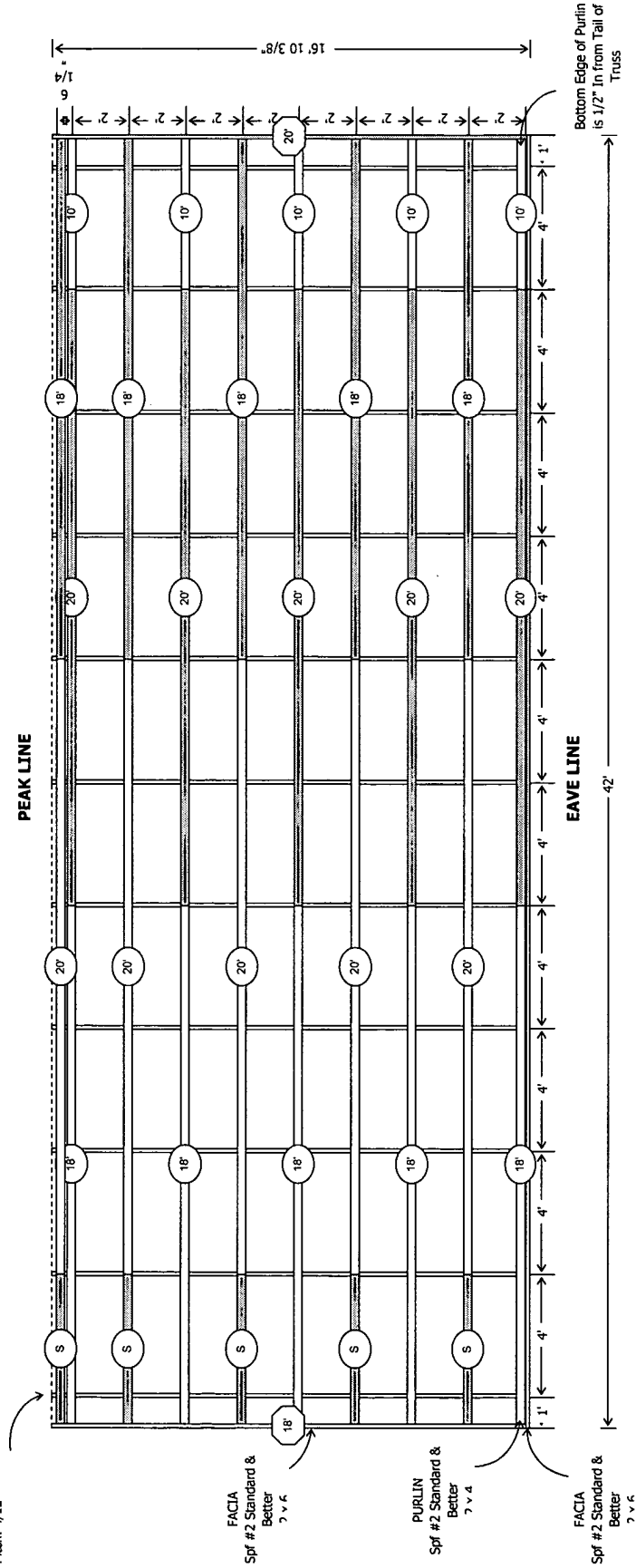


FIG. 170

POLE LAYOUT

Personal Use, 1200 sq. ft.

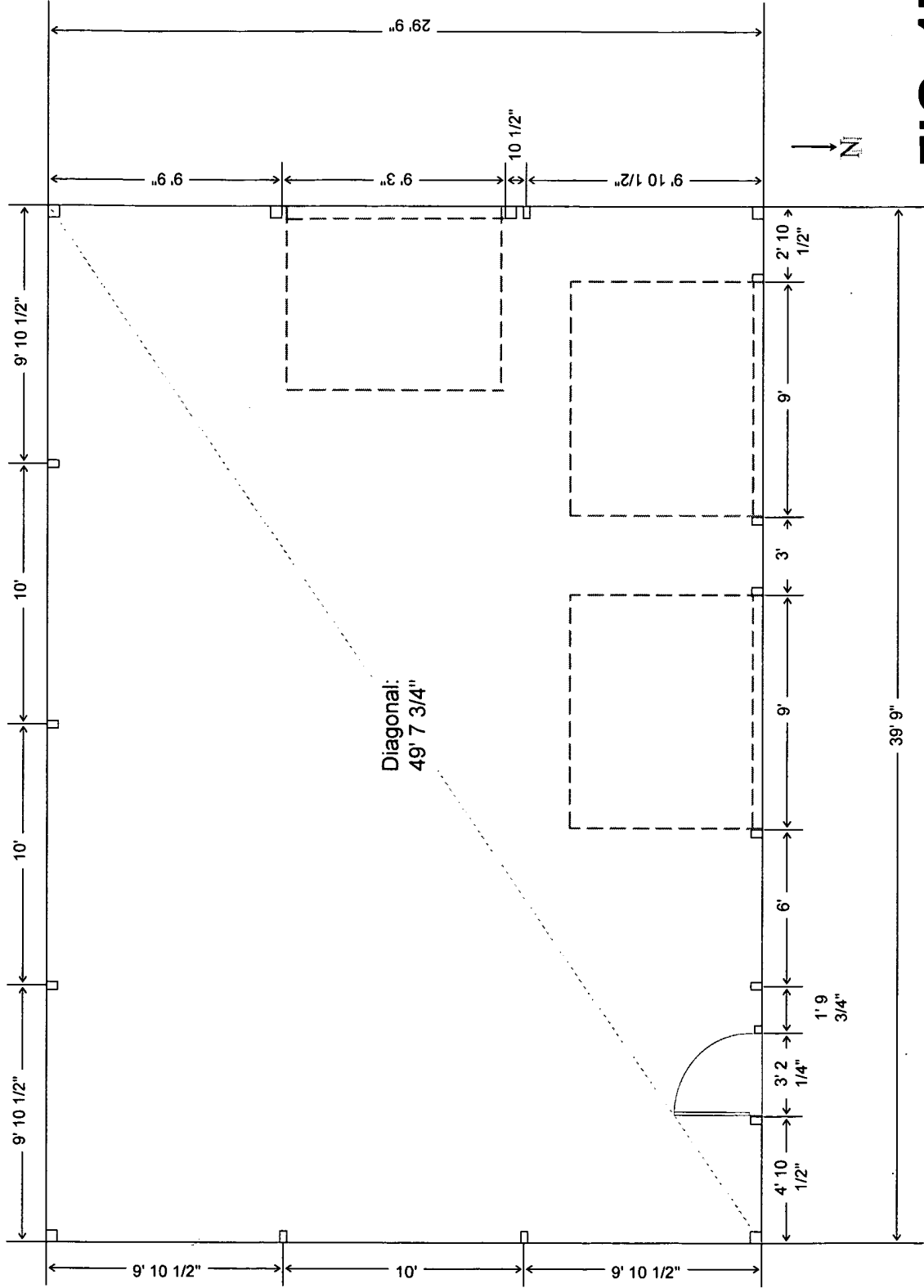
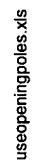
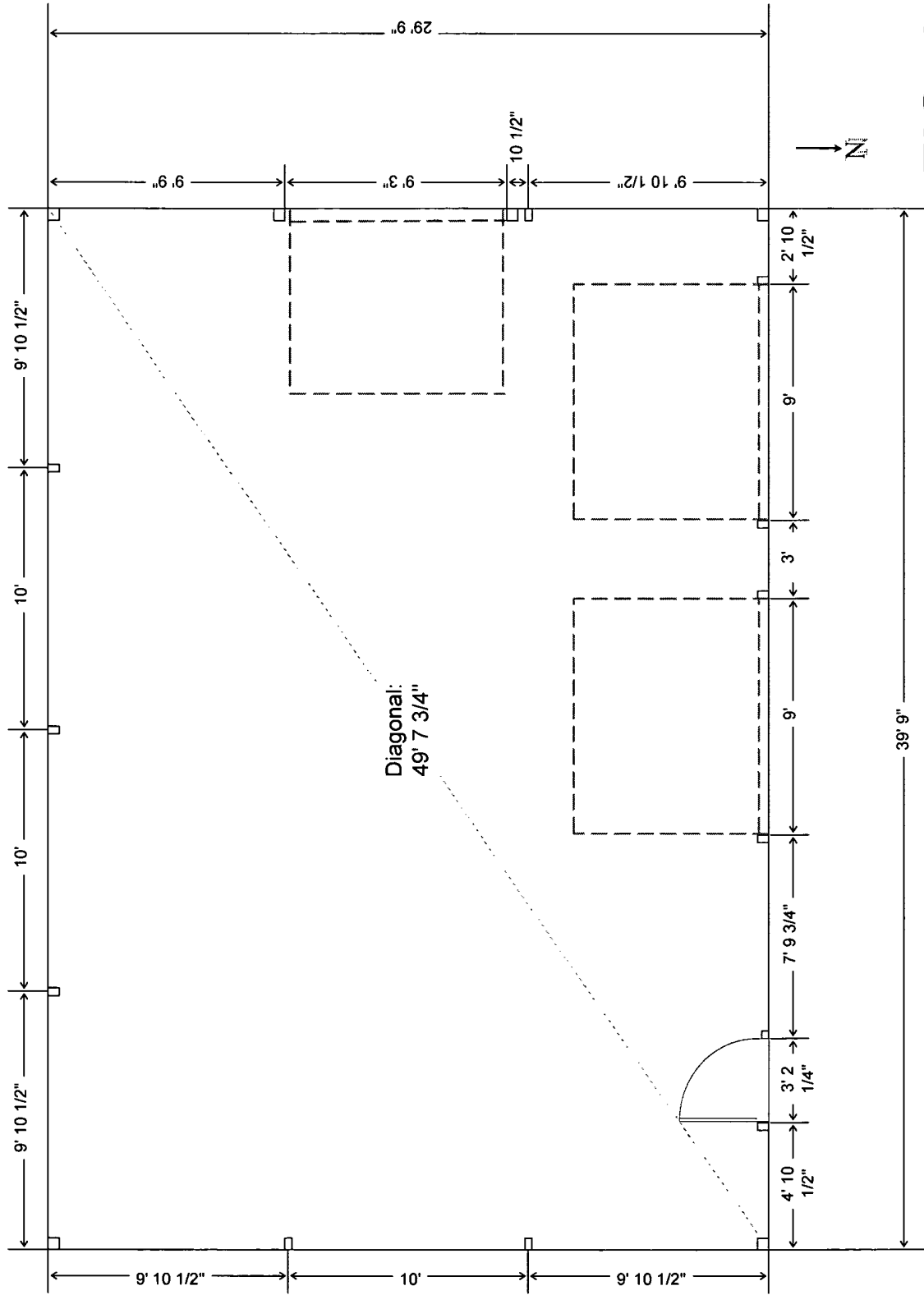


FIG. 171



POLE LAYOUT

Personal Use, 1200 sq. ft.



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FIG. 173

SUMMARY OF EXAMPLES:

Must have at least one Wall Material Layer.

Wall Material Layers must be compatible.

Must have at least one Roofing Material Layer.

Roofing Material Layers must be compatible.

If Steel Panel is a Roofing Material Layer, a steel panel supplier must be chosen.

If Steel Panel is a Roofing Material Layer, a Roof Trim color must be chosen.

If Steel Panel is a Roofing Material Layer, roof purlins must be specified.

Maximum number of ridge vents is limited, based on the length of the roof and vents selected.

Purlin Spacing cannot be less than 1 inch.

For Fasten Purlin on Edge between Trusses, selection of Bird Board is prevented.

Use of shingles also requires roof Vents (only one type is permitted).

Truss Top, Bottom Chord Live load cannot be less than zero.

Truss Top, Bottom Chord Dead load cannot be less than zero.

For Trusses, Non-Standard Heel Height must be a number.

Translucent Panels may not be selected for the Gable walls.

At least one nonwindow/non translucent panel opening is required per building. (I.e. a valid entryway for a person.)

Currently No Fasteners To Choose From message appears if the user selects Add Fastener to Building Component without first selecting a building component.

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If the spacing for wall girts is modified while keeping translucent panels, when the program recalculates the estimate, BIPEC will inform the user that the Height of the translucent panels has also been changed.

OTHER EXAMPLES:

Main Tab

"You Must Choose A Type Before Continuing."

Forces user to choose either Estimates or Custom Templates

Template Tab

"You Must Choose A Template Update Type Before Continuing."

Forces user to choose either Update Template or Create A New Estimate From Selected Template

Customer Tab

Directions – If user has set directions as required in system settings, directions cannot be a space or null value

Tax – Must be a numeric value from 0 to 100

Salesperson – If user has set salesperson as required in system settings, salesperson cannot be [NONE], space, or null value

Email Address – If user has set email address as required in system settings, email cannot be a space or null value, and must be less than 51 characters

Phone Number – If user has set phone number as required in system settings, phone cannot be a space or null value, and must be less than 21 characters

Zip Code – If user has set zip code as required in system settings, zip code cannot be a space or null value, and must be 5 digits in length

State - If user has set state as required in system settings, state must be 2 characters long, and one of the selections provided.

FIG. 174B

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City - If user has set city as required in system settings, cannot be a space or null value, and must be less than 51 characters

Address - If user has set address as required in system settings, cannot be a space or null value, and must be less than 51 characters

Last Name - If user has set last name as required in system settings, cannot be a space or null value, and must be less than 31 characters

First Name - If user has set first name as required in system settings, cannot be a space or null value, and must be less than 26 characters

Walls Tab

Wall Layer- If user has set wall layer as required in system settings, user must pick at least one wall layer.

Truss Block/Hurricane Clip – If the user is using a truss carrier, the user must pick a truss block or hurricane clip or both.

Top Girt Exterior – User must choose a top girt exterior species and size

Wall Girt – User must choose wall girt species and size

Skirt Board – User must choose a skirt board species and size, as well as number of rows

Poles – User must choose a pole species and size

Foundation – User must choose a foundation type

Length – Must be numeric from 8 ft to 2000 ft

Width – Must be numeric from 8 ft to 100 ft

Ceiling Height – Must be numeric from 7 ft to 40 ft

Max Pole Length - Based on the ceiling height, foundation depth, height of foundation, difference between finished earth grade point and finished floor point, the system will verify that there are poles long enough. If not the user will be forced to pick different poles or change ceiling height or foundation dimensions.

FIG. 174C

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Assure that the skirt board, wall girts, top girt exterior, and top girt interior are long enough to span the pole spacing distances – The system checks the selections made for these components and verifies that there lumber in product setup long enough to span the pole spacing values on the eave and gable ends.

Truss Block – Verifies that the truss block chosen matches the size and orientation of the eave poles if truss blocks are required/chosen.

In the event of any dimension change (ceiling height, width, length) to an existing estimate, the user will be notified that all doors and openings will be removed. Further, if the user changes the width on an existing estimate, the user will be notified that they will need to pick a new truss.

Roof Tab

Vents – Only required if user has system setting of vents on shingled roof selected.

Overhangs – Must be an integer value unless using soffit/facia combo, then the overhang can be a decimal value. If user changes overhangs on an existing estimate from a value greater than 0 to 0, delete soffit from the estimate.

Purlins – required for a steel roof or if truss spacing is over 24"

Pitch – required, minimum 3, maximum 24. If user changes pitch on an existing estimate, user will need to enter a new truss product.

Roof Layer 1 – Only required if user has system setting or required roof layer selected.

Steel Roof – If the user had changed the steel company for steel walls on an existing estimate and the estimate had a steel roof, the system will verify that the user had picked a new steel roof panel and color.

If the user changes an existing estimate from an overhang greater than 0 to 0 overhang, and the user had previously selected soffit/facia combo, the soffit/facia combo is removed from the estimate and the user is forced to choose a new facia covering.

FIG. 174D

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If the user changes an existing estimate from a 0 overhang to an overhang greater than 0, the user will be forced to make a soffit selection.

Truss Tab

Truss phone, company, contact name, sku, price, bottom chord size, top chord size, plys, non standard heel height (if chosen), heel height (if chosen), bottom chord dead load, bottom chord live load, top chord live load, top chord dead load, and truss spacing are required. The user can search for a matching truss product. If found, the user can select it and load the truss product information section. If the truss product is not found, the user must enter in a new truss product.

Facia/Soffit/Gutter

Facia Stock – User is required to pick facia stock unless the last wall layer is steel, the last roof layer is steel, and has a 0 overhang.

Window/Corner Trim – If the user has picked wood panel siding or wood siding as a wall layer, the user must choose a window/corner trim species and size.

If overhangs are greater than 0, soffit is required.

Facia Covering is required unless the user chose 0 overhangs, steel wall, and steel roof.

System verifies that the facia covering selected fits the facia stock selected.

System verifies that the overhang values are integer values unless the user chose soffit/facia combo in which case the overhang values could be decimal values.

Fasteners

System verifies that for each component listed, the user has selected a fastener.

FIG. 174E

Garage

Sill Type – User must choose a sill type, depending on the foundation selected.

- For Slab foundation, user must pick the following:
 - o "Concrete Slab With Bottom Plate"
- For a Block or Poured Foundation user has the following choices:
 - o "Block or Poured Foundation With Foundation Sill Plate"
 - o "Block or Poured Foundation Without Foundation Sill Plate"

Foundation Sill Plate – User must choose a foundation sill plate species & size if the user has selected a sill type of "Block or Poured Foundation With Foundation Sill Plate".

User must choose a stud species and size

User must choose a foundation type, block or slab.

Steel Siding: User must choose either plywood or wall girts to have steel siding on a garage.

Openings

System will not allow openings to overlap each other. In this case the system will prompt the user to move the currently selected opening left or right.

System will not allow windows to be placed on top of a pole. In this case the system will prompt the user to move the window left or right.

System will not allow the user to add openings when the total width of all the openings combined for the current structure side exceeds the length of that side.

System will prevent user from adding an opening when the total combined height of the opening, door jamb thickness and header exceeds the ceiling height on the eave sides.

System will prevent the user from adding an opening when the total combined height of the opening and door jamb thickness exceeds the ceiling height on any side.

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System will not allow the user to add an overhead door when the total combined height of the overhead door and the height needed for the track radius exceeds the ceiling height on the eave side.

System will not allow an opening to be added when the components for the selected header configuration cannot span the combination of the opening width, door jamb thickness, and bearing value.

System will not allow a slider to be added on the eave ends if the height of the slider door opening, in combination with the door jamb thickness and height of the track board over the opening exceeds the point at which the soffit panel planes into the eave side of the structure.

User is only allowed one color of coil stock for all openings on a particular structure. If the user changes coil stock color, the user is prompted to either change all the other previously selected coil stock to the new color or keep the previously selected coil stock color.

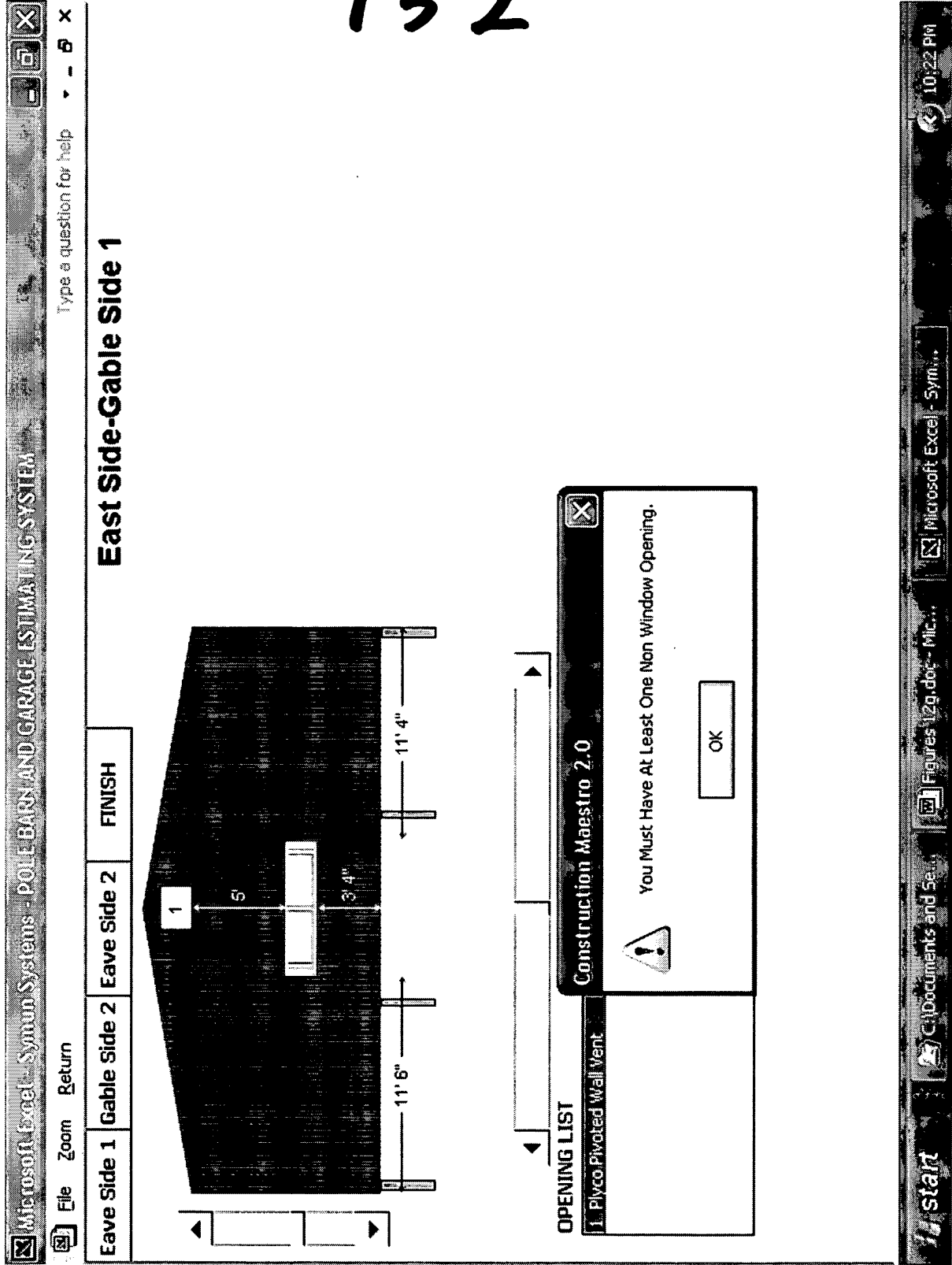
For an existing estimate, system verifies that all opening components still exist in product setup. If the system encounters a missing component, the user is notified and given an opportunity to make a change.

If the user has set the At Least One Opening in the required section of system settings, at least one valid entry type opening will be required.

Lumber Components

If the user has chosen lumber components for skirt board, wall girt, top girt exterior, top girt interior, or track support and there is no lumber in setup for these components to span the necessary distance, the user will receive a warning message indicating that the materials list will be incomplete. The user is offered a number of options to correct the issue such as choosing a different species and size, adding longer materials in lumber setup, using plug poles, or making changes to the pole spacing configuration or distance.

FIG. 174G



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FIG. 175

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INFORMATION

on typical wall panel layout

Make sure you fasten the panels plumb up and down so your computer generated measurements remain accurate.

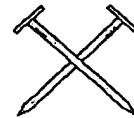


Short Side

High Side Measurement

lap side

Check your steel manufacturing company detail illustrations for nailing patterns.



starting panel

next panel overlays the first panel at the lap

cross section view

FIG 176